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# INTERCOM

August 20, 1992

Volume 22, Number 1

## Future Committee schedules open meetings

Members of the University Future Committee will hold a series of three dozen open meetings throughout the Penn State system in September to receive suggestions from faculty, staff and students. The meetings, with date, time and location listed on page 3, will take place at every Penn State campus, each academic college and at a number of other locations convenient to staff and students.

Interested Penn State faculty, staff and students may attend any meeting which is most convenient to their schedule. At each hearing, two or more Committee members will be present to provide a brief overview of the work that is taking place. Then the meeting will be opened for suggestions from the audience. Time will be provided for individual input following this general meeting.

Since the 12-member committee was appointed by President Thomas in March, more than 70 meetings have taken place.

The committee is comprised of faculty, deans, staff and students. It includes representatives from University Park and other Penn State locations.

In addition to these meetings, the Future Committee is now scheduling several other fact-finding meetings during the fall semester. All told, more than 100 meetings and hearings will take place in the first ten months of the group's existence.



**Under construction...**Workers from Stone Valley Construction Co. finish raising the manholes on Pollock Road at University Park as part of the construction project for installation of telecommunication lines and electrical duct banks that will provide service to the expansion of West Campus. The construction is expected to be completed next month.

Photo: Greg Grieco

See the calendar on Page 3 for meeting locations and times

September						
S	M	T	W	T	F	S

## Mathematics professor named acting CEO for New Kensington Campus

Roy E. Myers, professor of mathematics at the Penn State New Kensington Campus, has been named acting campus executive officer. He also is the co-author of three computer-related books, including *Calculus Laboratories* by Brooks/Cole Publishing Company (1992), and the designer of five instructional computer software packages.

He replaces Robert Arbuckle, who has assumed the presidency of Lake Superior State University in Sault Ste. Marie, Michigan.

"Roy has been a long-time dedicated member of the faculty at the campus, serving on many committees at the campus, department, college and University levels," said Robert Dunham, senior vice president and dean of the Commonwealth Educational System. "We are pleased that he is willing to provide leadership during this administrative transition."



Roy E. Myers

Dr. Myers' research interests focus on mathematics and computer graphics and software. He is the author of two books on computer graphics and of numerous articles in mathematics and computer graphics.

His work has been supported by grants from the National Science Foundation and the Dwight D. Eisenhower Mathematics and Science Education program. He also is active in the Mathematical Association of America.

Dr. Myers' degrees are a B.S. from Indiana State College, an M.S. from the University of Utah and a Ph.D. from the University of Pittsburgh.

He joined Penn State in 1968 as an instructor and was named assistant professor in 1977 and professor in 1984.

The Committee expects to begin making recommendations to the President next spring for shaping the future of Penn State University.

The work of the committee is to help the University fulfill its obligations to continue providing a quality educational experience at Penn State. Much of the committee's work to date has involved study of academic programs with the highest national reputation, as well as those that deserve additional resources to help them move into national prominence.

"Members of the University community have responded with letters and memos to the Committee in recent months and we are very pleased with the wide range of ideas coming forward," said John Brighton, executive vice president and provost. "As the research of the committee continues it is becoming increasingly clear that Penn State is a leader in a wide range of academic areas. Over the course of the next four or five years,

See "Future" on Page 3.

### President to speak

President Thomas will speak in Eisenhower Auditorium at University Park at 4 p.m. Wednesday, Sept. 2. The President plans to discuss issues and opportunities important to Penn State and to celebrate the beginning of the new academic year at the University. Dr. Thomas's talk is open to the public. Members of the University community are invited to attend.

DIVERSITY

# New study may help more women become scientists

A study of the organization of science may provide the key to ensuring participation of women in doctoral education in science and scientific research, according to a University researcher.

"We really don't know what does or does not work to ensure success for women at the graduate level in science and engineering," said Mary Frank Fox, associate professor of sociology and women's studies. "Without an assessment of this problem, possible solutions will continue to be ad hoc, ill informed and frequently misplaced."

"The numbers of women enrolled in science and engineering programs is not translating into significant female participation on the professional level. At the upper ranks in science, there has been little or no change in the proportion of women in the past 20 years."

Dr. Fox, who is collaborating with Henry Etzkowitz, associate professor of sociology at the State University of New York-Purchase, is investigating the structure of academic departments to determine the important organizational factors for the success of women in graduate programs in biology, chemistry, physics, computer science and electrical engineering.

According to Dr. Fox, the nation faces a demographic imperative forcing an understanding of women and minority participation in science and engineering. She noted that in the year 2000, 47 percent of all school age children will be Black and Hispanic and only 15 percent of the new work force will be White

male. Women cut across all other minorities and make up half the available people.

necessity."

Dr. Fox plans to look into three aspects of the organization of science on

see if programs that include such approaches as female role models, sponsors and mentors and peer alliances can increase the feelings of cultural inclusion.

While the formal study required of graduates students is well defined, it is the tacit knowledge learned that determines success as a scientist, according to Dr. Fox. This knowledge includes such intangibles as taste, judgment and confidence in research and is usually transmitted informally. "This is the apprenticeship part of science and social science and our hypothesis is that when we find a program that is really successful in increasing female performance in science or engineering it will focus on the informal, apprenticeship aspects such as exercising day-to-day leadership."

In the area of evaluation, the survey will delineate different approaches to student evaluations to see which methods serve to increase women's participation. Specific performance standards as opposed to loosely specified and shifting requirements, the choice of oral or written tests and whether departments want all students to succeed or prefer to weed the group to a smaller, successful cohort all have major effects on how women participate and how successful they are as scientists.

"When it comes to evaluation, if the criteria are clear, women and minorities do better than if criteria are loose and unspecified," explained Dr. Fox.

—A'ndrea Elyse Messer



Mary Frank Fox (left) with graduate students Susan Hauan, Vincent Ferri and Julie Tedjeski.  
Photo: Greg Grifco

"Women are also important because, in the relative sense of things, they are fairly well positioned in the science pipeline," said Dr. Fox. "We can't simply turn out scientists overnight if they haven't had the basic preparations."

"The participation of women is not just an issue of equity, it is a national

the academic department level — inclusion and exclusion in the work place culture, job assignment and training practices and evaluative schemes and systems.

The Penn State researcher plans to measure the level of inclusion and exclusion in the work place culture and

## Bell of Pennsylvania gives \$80,000 to support programs for girls

As part of a University-wide effort to improve precollege and undergraduate instruction in math and science, Bell of Pennsylvania has given Penn State \$80,000 to support an innovative program to encourage more girls to think about careers in these fields.

The gift, in response to Penn State's New American Scientist Initiative, will support "Math Options: Math and Science Career Days for Seventh Grade Girls." The program was launched last year by Gloria Dion, instructor in mathematics at the Penn State Ogonitz Campus.

"Declining self-esteem among girls as they grow up is reflected in their declining interest in math and science. As long as we deny our girls the education and encouragement they need, America will be competing with only half its team on the field," said a report about the problem by the American Association of University Women in 1990.

"Math Options '91" brought in seventh-grade girls from 30 schools — with their teachers — for one-day "real world" workshops on math and science and engineering topics. The well-attended sessions were led by professional women from industry and edu-

cation. This summer's event drew 300 girls, and Penn State Delaware County Campus conducted the program this summer with similar success.

Bell's gift will provide seed money to present the Math Options program at nine additional Commonwealth Campuses in 1993. Funds also will be allocated to support the development and production of an implementation manual that will be available to colleges and universities throughout the United States.

"Students who do not continue the study of math or science in high school often find career doors closed to them," Ms. Dion said. "This is true even of those careers that only include science and math as part of their requirements, including social and medical sciences."

The New American Scientist Initiative is a comprehensive national demonstration and marketing program designed to attract more students to science careers; retain more of them in science majors; improve precollege science and math education; increase the number of science students from currently underrepresented groups; and create a better science-educated public.

## Professional Women to hold meeting to discuss career planning

"Planning Your Career at Penn State (Can You Advance Your Career through Education and Training?)" will be discussed at the Tuesday, Aug. 25, meeting of Professional Women at Penn State.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Frizzell Room of Eisenhower Chapel with an opportunity for informal networking.

Tineke Cumming, career counselor, Career Development and Placement Services, will speak at 12:10 p.m. Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women. The group welcomes attendance from men and women in all job and student classifications at the University.

## Proposal writing workshop offered Sept. 9

The Equal Opportunity Planning Committee will conduct a proposal writing workshop from 1 to 5 p.m. Wednesday, Sept. 9, in 301 HUB at University Park.

The EOPC is an executive body of representatives from across the University that provides financial support to programs that recruit and retain minority undergraduate and graduate students, faculty and staff.

In the fall, the EOPC will consider proposals for summer 1993 programs that pertain to: undergradu-

ate and graduate recruitment and retention of underrepresented groups; lesbian, gay and bisexual orientation programs; summer programs; medical education programs; cooperative programs with other institutions in the state; faculty and staff development; women's equity issues, and ways to promote cultural understanding through multicultural education.

According to EOFC officials, the official call for proposals will be announced in September. For more information, call 863-7696.



# SEPTEMBER 1992\*

## Future Committee Meetings

August	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1		<b>31</b> WILKES - BARRE Cir. for Technology Room 101 12:30 - 2:30 p.m.	<b>1</b> HAZLETON Graham Bldg. Rm. G-115 2 - 4 p.m. W-SCRANTON Room 10 Dawson 10 a.m. - noon	<b>2</b>	<b>3</b> AG ASI Bldg. 1-3 p.m. GENERAL MEETING University Park 111 Kern 11:30 a.m. - 1:30 p.m.	<b>4</b>	<b>5</b>
6			<b>8</b> GENERAL MEETING University Park 101 ASI Building 1 - 3 p.m.	<b>9</b> ALTOONA Comm. Arts Center 10 a.m. - noon	<b>10</b> BEAVER Lab Classroom Bldg., Aud., 1 - 3 p.m.	<b>11</b> BEHREND Reed Bldg. 2 - 4 p.m. DUBOIS Hiller Quiet Lounge 10 a.m. - noon SHENANGO Sharon Hall, Rm. 316, 9 - 11 a.m.	<b>12</b>
13		<b>14</b> A & A Playhouse 10 a.m. - noon	<b>15</b> BA 607A Conference Room 1:30 - 3:30 p.m. HERSHEY Room C-3621 10 a.m. - noon	<b>16</b> HARRISBURG Olmsted Bldg., Auditorium 10 a.m. - noon YORK Community Rm. Student Center 2 - 4 p.m.	<b>17</b> NEW KENSINGTON The Theatre 2 - 4 p.m.	<b>18</b> ENG. 64 Willard 9 - 9 p.m. LIBERAL ARTS 112 Kern 10 a.m. - noon FAYETTE Williams Bldg., Aud. 2 - 4 p.m. MCKEESPORT 122 Frobie, 9 - 11 a.m.	<b>19</b>
20		<b>21</b> COMM Carnegie Cinema 3:30 - 5 p.m.	<b>22</b>	<b>23</b> GENERAL MEETING Univ. Park 102 Classroom Building 3:30 - 5:30 p.m. SCHUYLKILL Morgan Aud., Student Ctr. 1 - 3 p.m.	<b>24</b> EMS 26 Mineral Science Bldg 3:30 - 3:30 p.m. ALLEN TOWN Rm 111 - 5 & 6 2 - 4 p.m. BERKS The Forum, Student Center 10 a.m. - noon MONT ALTO General Studies Building Aud. 11 - 1 p.m.	<b>25</b> ED Chambers 9 - 11 a.m.	<b>26</b>
27	28	<b>29</b> H & HD 209 S. Hendran 3 - 5 p.m. SCI 102 Classroom Bldg., 11:30 a.m. - 1:30 p.m. GENERAL MEETING (Univ. Park) Phys. Plant Conf. Rm 9 - 11 a.m. GREAT VALLEY Room 107/108 3:30 - 5:30 p.m.	<b>30</b> GENERAL MEETING (Univ. Park) Physical Plant (Cont. Rm.) 1 - 3 p.m. DELAWARE Library Learning Ctr. 2 - 4 p.m. OGONTZ Spring House 9 - 11 a.m.	* Please note the Wilkes-Barre meeting is scheduled for August 31.			

### NEWS IN BRIEF

#### Journal grant

*Estero*, the journal of contemporary Spanish theater published in the Department of Spanish, Italian and Portuguese, has been awarded a grant from the Ministry of Culture in Spain and the Spanish Association of Book Publishers.

The grant is for the translation into English of a series of modern Spanish plays representing several generations and varying theatrical approaches. The plays have been selected for their potential interest to American audiences.

The translations will be published in the *Estero Contemporary Spanish Plays Series* under the general editorship of Martha Halsey, professor of Spanish. The present grant is the third received by the play series since its initiation last year.

#### Talk on community health

Robert H. Morris, CEO of Laurel Health System in Wellsboro, Pa. will speak on "Health Care Versus Disease Care: Centering on a Community's Health" at 6:30 p.m. Tuesday, Sept. 15, at the Nittany Lion Inn at University Park.

His speech is part of a reception and dinner to honor senior policy advisers from the governments of Australia, Canada, New Zealand and the United States who will be attending the Four Nations Social Policy Conference hosted by Penn State from Sept. 15 to 17. Sessions will explore health care access and financing, long term care and children's issues.

Tickets for the dinner are \$25. Call Bill Sterner at (814) 865-9173 at the Kellen Conference Center for dinner reservations by Aug. 30. For conference information, contact the Penn State Australia-New Zealand Studies Center at (814) 863-1663.

#### Press discount

The Penn State Press offers 20 percent discount on the retail price of its books to all University faculty, staff, students, and alumni. Books are available for perusal and purchase in the Press offices (Barbara Bidel, L Suite C) at 820 N. University Dr., University Park, between 8 a.m. and 5 p.m. Monday through Friday. To receive a free catalog describing new books, call 865-1327.

#### Science writers to meet

The Penn State Chapter of the National Association of Science Writers (NASW) will hold its first meeting of the academic year at 11:45 a.m. Wednesday, Aug. 26, in Room 313 Kern Building at University Park.

The group will meet to plan activities for the 1992-93 academic year and to select sponsors for the Chapter's brown bag, lunch time round tables.

The chapter meets for lunch and discussion on the last Wednesday of each month during the academic year. The meetings are open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2417.

#### Adult learner services

Orientation for new adult learners enrolling for Fall Semester will be held from 6 to 8 p.m. Monday, Aug. 24, in Room 111 Boucke Building at University Park.

The Center for Adult Learner Services, which is providing the orientation, also is offering MacIntosh workshops at the beginner and intermediate levels in the Computer Learning Center, 220 Boucke.

The beginner workshops will be held from 11 a.m. to noon and from 2 to 3 p.m. Monday, Aug. 24. The intermediate workshops will be held from 2 to 3 p.m. and from 6 to 7 p.m. Tuesday, Aug. 25.

To register for the orientation or for more information on the workshops, contact the Center for Adult Learner Services at 865-3887.

## Future

### Continued from Page 1

our goal will be to strengthen further some very important academic areas."

Brighton praised the efforts of the Future Committee, noting that it is enabling the University to plan for change in a manner that will strengthen the institution.

"Changes would have been forced upon us by the level of insufficient funding and state budget cuts of recent years," he said. "We are fortunate to have a structure in place that allows us to manage those changes in the overall interest of the University."

Anyone unable to attend the meetings is welcome to write the Office of Provost with suggestions and those who would like to discuss suggestions more privately will be able to talk with Committee members directly after each of the open meetings.

### OBITUARIES

Ricky L. Cox, truck driver, Housing and Food Services, since Sept. 24, 1979, died July 22 at the age of 32.

Frank L. Blue Jr., retired associate professor of civil engineering, died July 9 at the age of 84.

A graduate of the U.S. Military Academy at West Point, Dr. Blue received a master's degree in hydraulics from the University of Iowa and the Ph.D. in civil engineering from the University of California at Berkeley.

After his graduation from West Point, he served as an officer in the Army Corps of Engineers until 1955. He joined the University faculty Sept. 1, 1957, and retired July 1, 1971.

Elzada F. Sprock, food service worker, Housing and Food Services, from Nov. 7, 1980, until retirement Nov. 10, 1990, died July 21 at the age of 69.

# ❖ The Classroom Building ❖

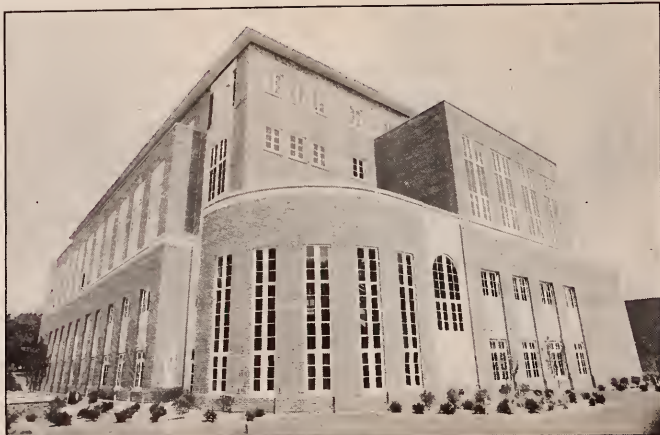
## New building to display its state-of-the-art facilities at open house

An open house for the new Classroom Building, located at Shortlidge and Pollock Roads at University Park, will be held from 10 a.m. to 2 p.m. Monday, Aug. 24.

The open house, sponsored by the Office of the Executive Vice President and Provost and the Classroom Improvement Committee, will feature demonstrations by faculty members using state-of-the-art classrooms.

The Classroom Building, which went under construction in September, 1990, contains 24 classrooms, two 94-seat lecture halls, and two auditoriums, one seating 246 and the other seating 173.

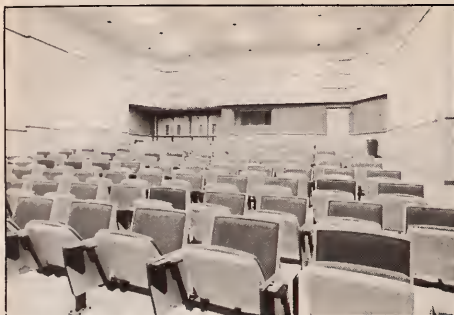
The auditoriums, lecture halls and four



The Classroom Building at the corner of Shortlidge and Pollock Roads

tronic Traveling;" Gerald Santoro, Center for Academic Computing and the College of the Liberal Arts, "Classroom Conferencing;" Thomas Fox, College of the Liberal Arts, "Economics Hypermedia;" Mary Ann Lyman-Hager, College of the Liberal Arts, "Collaborative Writing;" Alistair Fraser, College of Earth and Mineral Sciences, "Expanding Resources;" Mel DeYoung, College of the Liberal Arts, "English Lectures;" Terry Morrow, College of Agricultural Sciences and College of Engineering, "Persuasive Lectures;" Thomas Smialek, College of Arts and Architecture, "Music Multimedia;" Colin Goodall, College of Science, "Dynamic Graphics;" Douglas Arnold, College of Science, "Calculus Visualization."

Photos: Greg Grieco



One of the two auditoriums

classrooms are equipped with permanently installed computer teaching technology hardware and software supported by the Center for Academic Computing and Audio Visual Services. The permanent installations include IBM, Macintosh or Silicon Graphics workstation installed. In addition, eight computer teaching technology carts, with either an IBM or Macintosh computer and associated projection equipment, are available on a reservation basis.

A full-time audio visual technician from Media and Learning Services will be located on-site in the new building. Other services available include Penn State data backbone, access to the campus cable system, television receiver or projector system and VCR in each classroom; audio visual control booths in auditorium; file servers available for pre-loading of classroom materials, evening access to classroom computers for lecture preparation upon request.

Audio visual support also will be provided for overhead projectors, lecture recording service, 16mm film, 2 1/2 slide projection, and reservation of computer technology carts.

During the open house, staff who provide support services for teaching and learning technologies will be available to discuss the services. Representatives from Audio Visual Services, Center for Academic Computing, Office of Telecommunications, WPSX-TV, and University Safety will be presenting a demonstration/discussion of all resources available for the rooms in the building.

Faculty members offering 10-minute demonstrations of classroom teaching throughout the day include:

Arnold Shapiro, The Smeal College of Business Administration, "Business Multimedia;" Sally Kahn, University Libraries, "Elec-

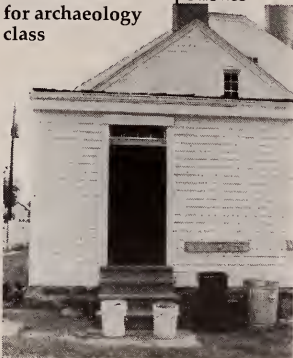


Stairwell in the state-of-the-art structure

## Highlight on Undergraduate Education

# Getting down to the nitty-gritty

Five weeks of hard work is excellent real-life experience for archaeology class



The back kitchen of the Joseph Priestley House

Joseph Priestley may be known as the discoverer of oxygen and inventor of artificially carbonated beverages, but the University students excavating at his home in Northumberland, Pa. are never certain what the next trowel will uncover.

Students in Penn State's Field School in Pennsylvania Archaeology were digging for five weeks in July and August at the Joseph Priestley House to shed light on the house's former inhabitants, especially the Priestley family. Excavations took place before a new drainage system—to alleviate basement flooding—and a new foundation for the back kitchen disturbed the ground and scrambled the archaeological record.

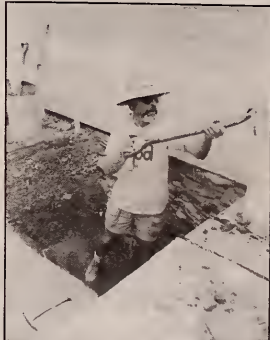
"We have little or no written domestic record of the Priestley family, just Joseph Priestley's scientific correspondences," said Bill Richardson, site administrator of the Joseph Priestley House. "We hope the excavations will illuminate such things as foodways and tell us something about the social history of the house and community."



Natashe Buss, (foreground) a junior in anthropology, shovels dirt into a screen.



Shari Kohan, a senior in quantitative business analysis, digs deep to find artifacts at the site.



Stephen Warfel, senior curator of archaeology at The State Museum of Pennsylvania and adjunct research associate, removes dirt from excavations at the Priestley House.

"Excavations in 1986 identified occupation layers containing remnants of ceramic laboratory ware bearing the Wedgewood name," said Stephen Warfel, senior curator of archaeology at The State Museum of Pennsylvania and adjunct research associate in the Department of Anthropology.

There is a known connection between Josiah Wedgewood and Priestley. The lab-ware has been analyzed by Barry E. Scheetz, senior scientist and professor of materials in the Materials Research Laboratory, and Deane K. Smith, professor of geochemistry and mineralogy, and indicates that Priestley was continuing his high temperature work on oxygen.

The 1986 excavations also revealed occupation by two prehistoric Native American groups.

"I'm pretty sure that we will confirm that one occupation was by the Late Woodland-Clemson Island culture," Mr. Warfel said. "We also found some Middle Archaic artifacts dating probably to 2500 B.C."

The seven students and four experienced diggers have already found some prehistoric artifacts in the area on the road side of the house.

"Initially, when we dig in this area, we are digging through 19th and 20th century fill and we find lots of maintenance debris," Mr. Warfel said. "Lots of brick, nails, window glass and construction rubble."

Eventually, the excavators reach a surface that existed when Priestley built his house and slightly below that the undisturbed, buried land surface denoted by a dark brown, rich humus soil. Priestley began building his house in 1795 after leaving Birmingham, England, where his home and laboratory had been burned by a "Church and King" mob in 1791. He occupied the house from 1797 until 1804, when



Artifacts are removed by screening dirt

he died. While in Northumberland he discovered carbon monoxide and continued work on nitrous oxide—laughing gas.

"Three quarters of the bags of artifacts we are finding are coming from a corner of the back kitchen," said John Carney, a Penn State senior in archaeology.

Carney and Jonathan Burns, also a Penn State senior in archaeology, are excavating the back kitchen earthen floor. Each bucket of dirt they screen is loaded with animal bones, pieces of brick, creamware, bone buttons, glass, coal and an occasional clay marble.

The back kitchen also contains a filled-in well that was discovered in 1986 and which Mr. Warfel plans to excavate this season.

"There is something odd about the back kitchen," said Mr. Warfel. "It was not in the original plans of the house, but was added on shortly after Priestley moved into the house. Its purpose other than to provide covered access to the well, is unknown."

"We will be looking for evidence of how the room was used and how the space relates to a brick oven we discovered outside the back kitchen door in 1986," he added.

In the early 1900s, the Priestley House was owned by Penn State, but in 1955 it was sold to the Commonwealth of Pennsylvania and is now administered by the Pennsylvania Historical and Museum Commission.

This year's field school is a joint effort of The State Museum of Pennsylvania and Penn State.

"We provide field training in a local setting for Penn State students and save the Commonwealth the money it would cost to hire a professional, contract archaeological firm to do the work," Mr. Warfel said.

"I looked into other field schools that cost about the same but were shorter in length," said Shari Kohan, a Penn State senior in quantitative business analysis. "Once I added transportation costs and realized that my Penn State financial aid wouldn't apply to their tuition, I chose Penn State's field school."

"I also like the fact that we are doing both historic and prehistoric archaeology," she said.

Text and photos by Andrea Elyse Messer

### The arts on Channel 3

Growing up a "Broadway brat," singer /actress Tyné Daly admits to wanting to be a star herself. Best known for starring on the CBS television series "Cagney and Lacey" and going on to win a 1990 Tony for her Broadway performance in the 30th-anniversary revival of *Simon and Garfunkel and Julie Styne's "Gypsy,"* Ms. Daly contends there still were stage roles she thought she "would never sing."

Evening at Pops, airing at 10 p.m. on Friday, Aug. 21, gives Ms. Daly her chance to fulfill a lifelong dream as she performs "Captain Hook's Waltz" from "Peter Pan" and "Trouble" from "The Music Man." Of course, selections from "Gypsy" are on hand, along with "Thank You So Much, Sir" from "Do I Hear a Waltz?" a delightful duet with John Williams on the program. Also on the program, 11-year-old violin prodigy Sarah Chang showcases her remarkable gift in Sarasate's "Carmen Fantasy," based on Bizet's opera.



After two months of grueling travel and almost nightly competitions, North America's top drum and bugle corps will compete in the finals of Drum Corps International's World Championship at noon Sunday, Aug. 23, at Camp Randall Stadium in Madison, WI.

This marks the DCI's 20th anniversary of staging drum and bugle competitions for the corps whose tradition dates back to veterans groups and scouting units. Last year's champions, the Star of Indiana, based in Bloomington, Ind., will be defending their title with a red-white-and-blue patriotic salute to America.

### New acting company

Four University units have joined forces to establish an innovative undergraduate acting company that will dramatize student issues.

Sponsored by the Division of Undergraduate Studies (DUS), the Office of Health Promotion and Education, the Office of Residence Life and the Department of Theatre Arts, the University Park Ensemble Theatre Company will present its first performances during fall semester orientation.

Eight theater arts majors, selected through an audition and interview process, make up the acting company. Barry Kur, associate professor of theater arts, is the company's director. The actors will dramatize student issues through improvisation, audience interaction and scripted material.

The ensemble's first performances will explore the topics, "Strategies for Working with Your Academic Adviser" and "Communication Between Students and Families about Educational Goals." These will be performed Monday, Aug. 24, at the College of Arts and Architecture new students' information session in the Playhouse at 1:30 p.m. and the Residence Life orientation program in Pollock Piano Lounge at 6:30 p.m.

On Tuesday, Aug. 25, the group will perform at The Smeal College of Business Administration "Getting Involved" program at 10:30 p.m. in 102 of the Forum Building, and on Wednesday, Aug. 26, at the Residence Life orientation program at 7 p.m. in Findlay Piano Lounge.

In September the ensemble plans to perform "Not Just Fooling Around," a play dealing with sexual health issues in the '90s. For more information on the company, contact Barry Kur, (814) 863-1453.

### Saudi children's art

The Saudi Arabian Art Education Association introduces a wide collection of Saudi children's artistic expressions in the exhibit, "Saudi Children's Art," on display in Pattee Library's East Corridor Gallery through Aug. 31.

The exhibit is a step toward creating a visual communication between the children of the world and a better

understanding of the Saudi culture.



A sample of Saudi children's art.

### 'Berkshire Revisited'

There is still time for members of the Friends of the Palmer Museum of Art to make reservations for the "Berkshire Revisited" trip Oct. 23-25.

The trip includes: lunch at the Culinary Institute of America, Hyde Park, N.Y.; a tour of the Roosevelt Home, Hyde Park, the Hancock Shaker Village, Pittsfield, Mass., the Sterling and Francine Clark Art Institute and Williams College Museum, Williamstown, Mass.; The Mount, Edith Wharton's summer residence in Lenox, Mass.; Chesterwood, Daniel Chester French's studio and summer residence in Stockbridge, Mass.

For reservations, call 1-800-252-3893. For more information about the Friends of the Palmer Museum of Art and the "Berkshire Revisited" trip, call Anne McHale, 238-8566, 9 a.m. to 5 p.m. Monday through Friday.



## Professor helps gospel group make comeback

After a 30-year absence, a legendary gospel group is striking a cord with gospel, jazz, bluesgrass and folk music fans nationwide, thanks, in part, to the help of a University professor.

The Nashville-based Fairfield Four has recently released a new CD with Warner Brothers; appeared on the cable TV Nashville Network; and is touring the country as opening act for major artists such as Lyle Lovett, Bela Fleck and Take 6.

For Jerry Zolten, assistant professor of speech communications and a musician himself, the new success for the African-American/Black American acappella group is music to his ears. With Dr. Zolten's help, the group has been blazing a six-year comeback trail that has included concerts at Carnegie Hall, the New Orleans Jazz Festival and the Smithsonian Institute.

During his seven-year acquaintance with the group, Dr. Zolten has served in many unofficial roles, including producer, agent, chaffer, cheerleader and partner. But as a friend, he has played an even more central role by encouraging the group to perform regularly and to begin recording again.

"That special friendship began in 1985 when Dr. Zolten, a long-time fan of the group, met Fairfield Four member James Hill at the National Folkline Festival in Washington, D.C. after a dazzling performance.

"I was taken by surprise by their performance because there was no mention of them in the program," he noted. "But I recognized their harmony from the 78 rpm records I had collected in the 1940s and I knew I would be a fan for life."

The Fairfield Four dominated the South's

African-American gospel scene in the 1940s and early 1950s before retiring in the mid 1950s. Their style and performances were so popular that many

members. Current members include Hill, 75; Isaac Freeman, 63; Rev. W.L. Richardson, 80; Wilson Waters, 71; and Walter Settles, 63. Now a quintet, the group has had up to six members even though they have kept the Fairfield Four name.



Jerry Zolten with the Fairfield Four

performers, including Blues master B.B. King, have credited the group as being a major musical influence.

In 1980, the group reunited with several new

members. Current members include Hill, 75; Isaac Freeman, 63; Rev. W.L. Richardson, 80; Wilson Waters, 71; and Walter Settles, 63. Now a quintet, the group has had up to six members even though they have kept the Fairfield Four name.

After Dr. Zolten met Hill in Washington, D.C., he helped to arrange several successful folk festival tours in major cities, and he helped initiate the group's successful nomination to the National Endowment Foundation for the Arts' Heritage Fellowship Award.

"From the first time James Hill and I met that day in Washington, D.C., we hit it off immediately. He invited me to visit him in Nashville and later expressed interest in expanding the audience of their music," recalled Dr. Zolten, who teaches at the Penn State Altoona Campus. "I told him the group might have appeal to those who like jazz and folk music and quickly got involved in helping them with the contacts I have. It's been one big enjoyable partnership/friendship ever since."

Besides releasing a new CD "Standing in the Safety Zone," a new album will be released later this year. Prior to those projects, the group's last recording was on a 78 rpm record.

"To only be a fan of such talented and fine individuals is one thing. But being involved with helping to chart the success of such a worthy group, is an overwhelming reward," Dr. Zolten said.

-- Aaron Singleton

**FACULTY / STAFF ALERTS**

**Noon-hour courses**

The Human Resource Development Center and Continuing Education are offering the following three-credit courses for University employees during Fall Semester 1992.

Psychology 002 and Speech Communications 100A will meet from 12:10 to 1 p.m. Monday, Wednesday and Friday; Economics 004 and Management 100 will meet from 11:45 a.m. to 1 p.m. Tuesday and Thursday.

The courses are part of the Business Management and Business Administration Certificate Programs offered through Continuing Education. An academic counselor is available to help with course selection.

For information, contact the Human Resource Development Center at (814) 865-3410 or the Continuing Education Office at (814) 865-3443.

**Third Corporate Challenge**

The third annual Corporate Challenge 5K Run/Walk, sponsored by the Employee Wellness Coalition of Centre County, will be held Sunday, Sept. 13, at Susquehanna Park in Pleasant Cap.

The Wellness Coalition's goal is to provide Centre County employees and their families with an opportunity to enjoy a brisk walk in the fresh, country air. The Faculty/Staff Health Promotion Office encourages Penn Stateaters and their families to participate in the walk, scheduled for 3 p.m., or the run, which begins at 2 p.m.

A Corporate Challenge Cup will be awarded to the employer with the highest percentage of finishers in both the run and the walk. Awards for total participation will be given in two divisions representing smaller and larger employers. In addition, corporate running teams of three or more employees may register to compete for team awards in the 5K run. Individual running awards also will be provided.

To be eligible for team awards, all team members must pre-register by Aug. 28 and must be employees or dependents of Penn State. On-site registration also will be available beginning at 1 p.m. Sept. 13. The registration fees for adults are \$6 (with t-shirt) and \$3 (without t-shirt). Children may participate for free (without t-shirt) or \$4 (with t-shirt).

At University Park, registration forms are available at the Recreation, Intramural and White Buildings, the Natatorium, and the Faculty/Staff Health Promotion Office on the third floor Rider Building. For more information, call the Faculty/Staff Health Promotion Office at (814) 865-3085.

# University Park Calendar

## August 20—30

**SPECIAL EVENTS**

**Saturday, Aug. 22**  
Arrival day for new students.

**Sunday, Aug. 23**  
Arrival day for continuing students.

**Tuesday, Aug. 25**  
Professional Women at Penn State meeting, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Tinkie Cunniff on "Planning Your Career at Penn State (Can You Advance Your Career through Education and Training?)."

**Wednesday, Aug. 26**  
Classes begin.

**Sunday, Aug. 30**  
Shaver's Creek, Wildflower Walk, 2-4 p.m. Call 863-2000.

**PUBLIC RADIO**

**WPSU-FM 91.1**  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubenstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

**CONFERENCES**

**Aug. 20-21, PA Tele-Teaching, 100 attendees;**  
Nittany Lion Inn, Daniel Pfaff, chair; Kathy Karchner, coordinator.

**Aug. 26-28, Bureau Mining/Reclamation DERR;**  
140 attendees; Nittany Lion Inn; Jeri Milson, coordinator.

**EXHIBITS**

**Pattee Library**  
East Conidor Gallery:  
■ Saudi Arabian Art Education Association, "Saudi Children's Art," through Aug. 31.  
■ West Lobby Gallery:  
Kenneth Miller, "Severed Moments," an exhibition of oil paintings, through Aug. 30.

**TIPS**

**Information Penn State**  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front



During the month of August, this earthenware vessel of the Chimu culture of ancient Peru is on display in the lobby of the Calder Way and Allen Street branch of Peoples National Bank. The display is part of the "Art to Go" exhibition sponsored by the bank and the Palmer Museum of Art.

of the telephone directories. Other messages are  
Weather—234; Arts Line—345; University Calendar—456  
■ Reflects an international perspective

**CARPOLERS**

An employee would like to carpool from Philipsburg to University Park. Work hours are 8 a.m. to 5 p.m. Call 863-6272.

An employee would like to carpool from Philipsburg to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call 865-3146 or 342-4500.

Kelly is looking for a rider/driver from the Centre Hall area to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-7472 or 364-9490.

Cheryl would like to join

or start a carpool from Philipsburg to University Park. Her work hours are 8 a.m. to 5 p.m. Call 863-6272 or 342-0146.

Sue needs one more driver to join her carpool from the Philipsburg area to University Park. Her work hours are 7:30 a.m. to 4:30 p.m. Call 865-2377.

Kim would like to carpool from the Philipsburg/Osceola area to University Park. Work hours are 7:30 a.m. to 4:30 p.m., but she has an evening class until 5:30 p.m. Call 863-0700 or 339-6004.

# University Libraries announces hours for fall at University Park

The University Libraries have announced the following fall semester hours for libraries located on the University Park Campuses:

**Pattee Library:**  
The Arts Library, Documents/Maps, General Reference, Learning Services, Life Sciences Library, Periodicals, and the Reserve Reading Room will be open Monday through Thursday from 7:45 a.m. to midnight; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m.; and Sunday, noon to midnight.

Historical Collections and Labor Archives, Interlibrary Loan, Photoduplication, and the Rare Books Room will be open Monday through Friday from 8 a.m. to 5 p.m. and will be closed on Saturday and Sunday.

The Microforms Section will be open Monday through Thursday from 7:45 a.m. to 10 p.m.;

Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m., and Sunday, noon to 10 p.m.

The University Archives/Penn State Room will be open Monday through Friday from 9:30 a.m. to 5 p.m.; Saturday, 9 a.m. to 1 p.m.; will be closed on Sunday.

**Branch Libraries:**  
The Architecture Library, Earth and Mineral Sciences Library, Education Library, Engineering Library, Mathematics Library, and the Physical Sciences Library will be open Monday through Thursday from 7:45 a.m. to 11 p.m.; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m., and Sunday, noon to 11 p.m.

Pollock Library will be open 24 hours a day, seven days a week when classes are in session.

For more information on the Libraries' hours of service, call 865-3063.

APPOINTMENTS

William A. Henk, has been appointed head of the Division of Behavioral Sciences and Education at Penn State Harrisburg.



William A. Henk

Dr. Henk has been a member of the faculty since 1983. He specializes in clinical reading, the psychology of reading, and measurement and evaluation.

He won the 1991 Penn State Harrisburg Outstanding Teacher Award.

Dr. Henk holds a doctorate in education from West Virginia University, and master's and bachelor's degrees in education from Edinboro University of Pennsylvania.

Charles C. Snow, professor of business administration, has been named acting chair of the Department of Management and Organization in The Smell College of Business Administration.

Dr. Snow will serve in this position while Dr. Gerald I Susman, holder of the Robert and Judith Klein Professorship of Management, is on sabbatical leave at the Harvard Business School during the 1992-93 academic year.

Dr. Snow previously served as chair

of the department from 1985 through 1991.

W. Luke Talcott has been named director of business services at the Penn State Beaver Campus.

Mr. Talcott previously served as the interim director of Facilities Resources Management at University Park. He has been employed by the University in a variety of positions since 1963.

As director of business services, he oversees the operation of all physical plant activities, including building and grounds maintenance, equipment purchase, and inventory. He also supervises human resources, University contracts, and campus security.

Mr. Talcott holds bachelor's degrees in history and political science and a master's degree in higher education administration from Penn State.

He is a member of the Higher Education Facilities Management Association, the Association of Physical Plant Administrators, the International

Facility Management Association, the Keystone Association of Physical Plant Administrators, and the Association for the Study of Higher Education.



W. Luke Talcott

## Evening parking times expanded in central area of University Park Campus

Reserved evening parking in the central area of the University Park Campus has been expanded in time and geographic areas for faculty, students and staff with parking permits.

"This change is to help those faculty, staff and students who have bought legitimate permits but who could not find parking in the evening for classes or labs because people without permits were taking the spaces," Bruce Kline, director of the parking office, said.

"The growth in the student body and the number of faculty has put great pressure on available parking spaces," he added. "People who were not paying their fair share of parking were hurting those students, faculty and staff who had permits."

The central area includes all parking areas bounded by Atherton Street, Shortlidge Road, Park Avenue and College Avenue plus the Eisenhower Parking Garage. Currently, reserved hours vary by lot, but the now extended reserved parking hours will make them consistent for all lots and easier to understand for users.

The assigned parking areas will keep the current restrictions from 7 a.m. through 5 p.m., Monday through Friday. From 5 through 9 p.m. of the same days, the central area will be available to only those faculty, staff, students and visitors with the appropriate, valid parking permits.

But normal restrictions such as no parking areas and handicapped parking areas will not change in any lot.

For fall semester, the free Commuter Express bus will resume its schedule, including service from the commuter parking lot to central campus until 10 p.m., Monday through Friday.

The new evening hours also will affect visitors to central campus. They must purchase a pass in order to park in the central areas. Free evening parking is still available outside the central areas, such as the lots west of Atherton and east of Shortlidge Road.

Special event patrons can buy passes along with their event tickets. However, the passes do not extend to football game parking at the stadium.

For University employees and visitors, single-day passes will be available for purchase at visitor kiosks on campus, at the parking office or other locations such as the HUB desk, Kern desk, ticket offices or student union buildings. Booklets of daily evening passes also are available at a discounted rate. Passes also are available in periods of one month, semester or yearly.

For more information, contact the parking office at 814-865-1436.



**Selecting an All-American marigold** at the trial gardens at University Park recently were judges (from left) Michel Bertrand, of France, Kim Bodger, CEO of Bodger Seeds, and Nona Wollfram-Koivula, executive director of All-America Selections. The 7.5-acre test garden is one of 27 trial gardens for flowers across the nation that help breeders determine which varieties perform best. Vegetables are also tested at the site. The Penn State garden is the oldest All-America Select site in the country.

Photo: Greg Grieco

## BOOKSHELF

Christine A. White, assistant professor of history, is the author of *British and American Commercial Relations with Soviet Russia, 1918-1924*, published by the University of North Carolina Press.

In the book, Dr. White reassesses Anglo-American trade with Soviet Russia immediately following the Bolshevik Revolution to show that, unlike diplomatic relations, commercial ties were not severed by ideological differences. In fact, British and American trade with Russia resumed soon after the Bolsheviks' rise to power, and this period of trade significantly affected future commerce involving the three countries.

According to Dr. White, the commerce not only was substantial enough to stimulate certain Allied industries in the midst of a postwar slump, but also laid a solid foundation for a sharp increase in trade in the mid-1920s.

She also points out that a growing disillusionment with the corrupt non-Bolsheviks and the lure of Russian markets led Britain and the United States to an unofficial, and eventually an official, rapprochement with the Soviets.

Ira V. Brown, professor emeritus of American history, is the author of *Mary Crew, Abolitionist and Feminist*

(1813-1896), published by Susquehanna University Press.

The book is the first full-length biography of Mary Crew, an American abolitionist and feminist. Born in Hartford, Conn., and educated at Catharine Beecher's Hartford Female Seminary, she settled in Philadelphia in 1834 and lived there until her death.

Despite considerable illness, she worked steadily in the antislavery crusade from 1834 to 1865, in the Negro suffrage campaign from 1865 to 1870, and in the women's rights movement from 1848 to 1892, her eightieth year.

The biography is based chiefly on primary sources and, to a large extent, Mary Crew is allowed to tell her story in her own words. She was a gifted writer and also an able public speaker, one of America's pioneer woman orators.

Dr. Brown was able to use Mary Crew's letters to Wendell and Ann Phillips, Mary Crew's cousin, in the Crawford Blagden Collection, recently acquired by the Houghton Library of Harvard University. Also very useful were the papers of Sydney Howard Gay and his wife, Elizabeth Neff Gay, preserved in the manuscripts division of Columbia University's Butler Library.

## PARTINGS

## After postponing retirement three times, "Mr. Penn State" ends University service with 44 years of experience

For most people at The Pennsylvania State University, Charles L. Hosler Jr. was simply "Mr. Penn State."

Dr. Hosler stepped onto the University Park Campus in 1942 as a freshman, and, except for his Navy tour during World War II, has stayed ever since. After serving 44 years at the University in nearly every academic role and postponing his retirement three times, he finally hung up his cap and gown this spring as senior vice president for research and dean of the Graduate School and professor of meteorology emeritus. But instead of resting on his laurels, Dr. Hosler can turn his full attention to national and international affairs in science and technology and to meteorology.

After World War II ended, Dr. Hosler completed his bachelor's degree at Penn State and later successfully pursued his master's degree and Ph.D. in meteorology. He joined the University as assistant professor of meteorology in 1951 and

became a professor in 1960 and head of the department in 1961.

As a researcher he became an expert on cloud physics and dynamics and studied the potential of cloud seeding, seeking a way to control the evolution of clouds and precipitation. His work has brought him status as a member of the National Academy of Engineering and a fellow and past president of the American Meteorological Society.

He also is a member of the National Science Board, the policy making body of the National Science Foundation, and has served as a consultant to White House Office of Science and Technology Policy, federal agencies, and U.S. House and Senate Committees.

In 1965, Dr. Hosler was tapped to become dean of the then-College of Mineral Industries, with 400 undergraduates and 350 graduate students. One of his earliest acts was to support a name change for the college to Earth and Mineral Sciences, reflecting the impor-

ance of the earth-related sciences.

In 1985, Dr. Hosler assumed the newly created position of vice president for research and dean of the Graduate School. During his tenure, he led the University in enhancing its research rankings in areas of industrial and government research.

"Research and teaching are closely linked activities at any major university," he said. "You can't have excellent undergraduate education if faculty aren't involved in the intellectual pursuits that keep them on the cutting edge."

Dr. Hosler is by no means slowing down his pace. He continues to lead the national effort to modernize the National Weather Service and is active on the National Science Board. But he also will spend more time on his personal wilderness in Northern Centre County.

"I will miss the opportunity to talk with such an inspiring people about their wide ranging scholarship," Dr. Hosler said. "I'm a chronic student and I



Charles L. Hosler Jr.

find it very stimulating to learn something new every day. But I have had a wonderful career and no regrets."

## Keeper of numbers retires, remains on the job part time

During World War II, hundreds of students, faculty and staff left the University to serve throughout the world leaving Penn State short of support staff. Fortunately for the University and for Evelyn F. Homan, State College High School established a half-day program allowing seniors to take jobs at the College to help out.

Ever since those half-days in 1944, Ms. Homan has been part of the University family, serving under seven Penn State presidents and 10 bosses and growing in her career as the University grew. Although she has officially retired after 44 years of service, she is still on the job part-time and will continue through the end of the year.

Starting as a secretary in Earth and Mineral Sciences, she completed her tenure as assistant director for analytical studies in the Office of Budget and Resource Analysis.

It is her responsibility to prepare the state and federal Integrated Post Secondary Education Data Surveys and Office of Civil Rights reports, information for the American Association of Universities Data Exchange, legislative hearing books at the state and national level and other formal reports. She also responds to hundreds of individual requests for information from the College and other departments and from Penn State offices preparing strategic plans, accreditation and compliance reviews, research grant proposals and recruitment materials.

Keeping track of detailed and diverse information comes naturally to Ms. Homan. "Essentially, I grew up with the University," she says. "I took in the changes from schools to colleges, from the College to University and the addition of campuses as they happened."

As she changed positions, she moved through the ranks to secretary and administrative assistant in the Office of Admissions and Registrar in 1948, the Office of Academic Affairs in 1972, to administrative assistant in the Office of Budget and Resource Analysis in 1978 and to senior information planning specialist in 1981. She was named to her present position in 1989.

When retirement really comes, Ms. Homan and her husband Lester N., a retired self-employed contractor, will have time to enjoy their four-generation family, all of whom are now living in Aaronsburg.



Evelyn F. Homan

## Associate professor departs University for new career

William Bradley, associate professor of art education, has retired after 22 years service.

Professor Bradley received his first college degree in music from Westmar College in Iowa, where he majored in voice and minored in art. In 1965, he earned a M.A. in studio art at Northern Illinois University, and in 1968 he earned a Ph.D. at the University of Minnesota.

Over some 35 years, Professor Bradley has taught at every level of education, including ten years of public school teaching, and 25 years in major universities in the United States and Europe. At Penn State, he served as chair of the Graduate Programs in Art Education for five years. His international teaching and

lecturing included one and half-year appointments at both the Birmingham and Brighton Polytechnics in England and invited lectures at French, Canadian, Irish and British universities.

Professor Bradley received the Distinguished Alumnus Award of Westmar College in 1978. He has won several prestigious awards for his sculpture and writing.

A published poet and fiction writer, he begins his new career in Rockport, Mass., where he has opened The William Bradley Gallery that features his paintings, sculpture and prints as well as those of other artists.

## Emeritus rank bestowed on professor

Alfred J. Engel, professor of chemical engineering, has retired with emeritus rank after more than 30 years service.

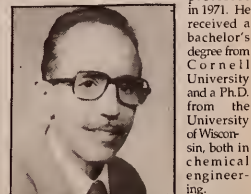
Since joining the chemical engineering faculty in 1959, Dr. Engel has earned a reputation as devoted teacher and advisor. He was ranked among the top four instructors in the department by student evaluations for the past 32 years. A recipient of College of Engineering Outstanding Advising and Service Awards and of the Premier Teaching Award, he canceled only one class in 34 years of teaching.

Dr. Engel initiated and developed five courses in chemical engineering and revised several others. He developed a CAD/CAA program, Process, now in widespread undergraduate use, and helped to incorporate computers into the chemical engineering core curriculum. He has published numerous articles and collaborated on several books in air pollution, reaction engineering, thermodynamics and computer-aided design.

His advising of developmental year stu-

dents, minority students, and cooperative engineering students earned him the College Outstanding Advisor Award. He chaired the promotion and tenure committee in the department, and has served on the Academic Computing Committee since 1975.

Dr. Engel joined the University as an assistant professor and was promoted to full



Alfred J. Engel

professor in 1971. He received a bachelor's degree from Cornell University and a Ph.D. from the University of Wisconsin, both in chemical engineering.

## McKeesport Campus

# Department of Education provides funds for technology program

The Penn State McKeesport Campus is one of seven institutions of higher learning in the state to receive funding from the Pennsylvania Department of Education to develop a Technology Preparation program.

The grant will provide approximately \$110,000 for each of three years for Penn State McKeesport to design and implement an educational process for Fayette and Greene counties which addresses higher level academic and technical skill development.

The process consists of at least two years of secondary school and two years of postsecondary training to ensure the availability of a trained workforce to meet the needs of a global society.

Extremely limited access to training and educational opportunities has been a major contributing factor to the poor economic climate in Fayette and Greene counties. Fayette County ranks 58th in per capita personal

income and Greene County ranks 66th out of 67 counties in the state (Pennsylvania State Data Center, May 1992).

Presently neither county is being served by any other Tech Prep consortium. Penn State McKeesport will be working with several educational institutions participating in the Southwest Rural Technology Preparation Consortium, including Penn State Fayette Campus and Fayette County vocational technical schools in the Albert Gallatin Area, Brownsville Area, Laurel Highlands and Uniontown.

The Tech Prep Consortium will develop a structured plan based on information received from business and industry leaders who identify the skills workers need. These leaders also will establish proficiency levels for the curriculum.

Emphasis throughout the Tech Prep programs will

be placed on a sequence of courses in technology-oriented programs that combine applied academics (with a common core of rigorous math, science and communication skills) with high-technology skill training. The program's format is designed to lead to entry into various postsecondary institutions or advanced training programs.

A team of Penn State McKeesport faculty and staff participated in writing the grant proposal. Carole Peterson, assistant librarian, coordinated the effort and wrote the proposal with assistance from Lucy Wright-Scozzo, instructor in computer science, Sam Zabe, instructor in engineering, Eleanor Bicanich, Penn State McKeesport Vocational Education Center coordinator, and Nancy Herron, director of academic affairs.

## PENN STATORS

Frank F. Aplan, distinguished professor emeritus of metallurgy and mineral processing, has been awarded the Mineral Industry Education Award of the American Institute of Mining Metallurgical and Petroleum Engineers, "in recognition of distinction as a technical engineer, educator and manager of research; a world authority in flotation processes, whose leadership attracts students to mineral processing."

Eunice N. Askov, professor of education and director of the Institute on the Study of Adult Literacy, has been appointed to the National Cancer Institute's National Work Group on Cancer and Literacy, which is charged with designing strategies for communicating cancer information to low-literate audiences.

Julien Biebuyck, Eric A. Walker professor, chairman of the Department of Anesthesia, and associate dean for academic affairs at The Milton S. HERSHEY Medical Center, has been elected as the Association of University Anesthesiologists representative on the Council of Academic Societies of the Association of American Medical Colleges.

Tarasankar DeRoy, professor of materials science and engineering, delivered a keynote address, "Mass Transfer in Welding," at the Third International Conference on Trends in Welding Research in Gatlinburg, Tenn. He also presented invited lectures at the Royal Institute of Technology, Stockholm, Sweden, on "Transport Phenomena in the Chemical Vapor Deposition of Diamond" and "Laser Processing of Materials."

Elliot Eisenberg, professor of engineering at the Penn State Hazleton Campus, has won the 1992 American Society of Mechanical Engineers Ben C. Sparks Medal which recognizes his significant contributions to mechanical engineering education in engineering and engineering technology at the national and local level."

Marlowe Froke, general manager and associate professor emeritus, University Division of Media and Learning Resources (WPX-TV) and the School of Communications, has become the first University educator and public

television broadcaster to be inducted into the Cable TV Pioneers, an international organization that recognizes sustained and outstanding achievement in cable television.

Geoffrey Godbey, professor of leisure studies in the School of Hotel, Restaurant and Recreation Management, completed a two-week speaking tour of South Africa at the invitation of the National Department of Education and the South African Association of Recreation and Tourism. He made numerous presentations concerning recreation and tourism in Pretoria, Johannesburg, Bloemfontein, Cape Town, Port Elizabeth, Durban, Eastport, and villages in the Natal Region.

W.C. Hymer, professor of biochemistry and director of the Center for Cell Research, a NASA Center for the Commercial Development of Space (CCDS), has been named a member of the NASA Space Station Science Applications Advisory Subcommittee.

W. Larry Kenney, associate professor of applied physiology, was an invited scientist at the Gatorade Sports Science Institute meeting in Bavono, Italy. The meeting focused on "Heat, Exercise, and Thermoregulation."

William J. Kraemer, associate professor of applied physiology and director of research in the Center for Sports Medicine, was an invited participant in an Olympic Cultural Workshop, held in Barcelona prior to the Olympic Games.

Akhlesh Lakhtakia, associate professor of engineering science and mechanics, has been named a fellow of the Optical Society of America in recognition of his distinguished service in the advancement of optics, particularly for contributions to the theory of electromagnetic waves in chiral media.

Lynn S. Liben, professor and head of the Department of Psychology, has been invited to serve as a member of the Behavioral and Neurosciences Study Section, Division of Research Grants, National Institutes of Health. Study sections review grant applications submitted to the NIH and make recommendations to the appropriate

NIH national advisory council or board.

Carl Mitcham, director of the Science, Technology and Society program, has been named honorary director of the newly created Research Center of Science, Technology, Economy and Society at the Graduate School of the Chinese Academy of Sciences.

Judith L. Newman, associate professor of human development at the Penn State Ogontz Campus, presented a paper on children's understanding of, and adjustment to, divorce and remarriage at the 22nd annual symposium of the Jean Piaget Society in Montreal, Canada.

Evan G. Pattishall Jr., dean emeritus of the former College of Human Development, has been named a distinguished alumnus of the University of Michigan. He also has been elected to the governing council of the American Psychosomatic Society, a 50-year-old organization of researchers and clinicians from a variety of disciplines who focus on links between health and behavior.

C.R. Rao, holder of the Eberly Family Chair in Statistics and director of the Center for Multivariate Analysis, presented two invited lectures, "Cross Examination of Data Before Analysis" and "Recent developments in Sample Surveys," at the First Central American and Caribbean Biometrics Network Conference in the West Indies. He also gave a public lecture on "The Use, Misuse, and Abuse of Statistics" as part of the Open Lectures series of the University of the West Indies, St. Augustine.

Richard J. Santen, professor of medicine and chief, Division of Endocrinology, at The Milton S. HERSHEY Medical Center, received the 1992 "Robbio International Prize from the Ciba Geigy-ANT at the First Dual Meeting on Basic and Clinical Aspects of Aromatase in Bologna, Italy.

Gerhard F. Strasser, associate professor of German and comparative literature, presented a paper on "Closed and Open Languages: Samuel Hartlib's Involvement with Cryptography and Universal Languages" at the interna-

tional conference on "Peace, Prosperity, and Unification: The Advancement of Learning in the Seventeenth Century" at the University of Sheffield (England). He also gave a paper (in German) on "National Socialism and the Holocaust in America" at the American Studies Center at the annual meeting of the American Association of Teachers of German at Baden-Baden Germany, and presented a general lecture at an American Studies Seminar organized by the University of Leipzig and the Herder Institut, Leipzig, Germany.

Richard E. Tressler, head of the Department of Materials Science and Engineering, presented a plenary lecture, "Advanced Structural Ceramics: Recent Development and Reliability Issues," at the first Pacific Rim International Conference on Advanced Materials in Hangzhou, China. He also presented lectures at the Thermal/Structural Materials Laboratory, University of Bordeaux, and at Societe de Europeenne Propulsion in Bourdeaux, France, on "Durability of Ceramics and Composites at Elevated Temperatures" and "High Performance Ceramic Fiber Developments."

John R. Vincenti, coordinator of special projects, nuclear engineering, in the College of Engineering, presented a talk, "Management of Nuclear Waste in the Republic of the Soviet Union and Warren R. Witzig, professor and head emeritus of nuclear engineering, spoke on "The Value of an Oversight Committee for Nuclear Safety and Environmental Protection" while members of a Nuclear Fuels Management Delegation that visited various nuclear related sites in Russian and the Ukraine. The two-week visit was sponsored by the 1992 People to People Program.

Paul Wuest, professor of plant pathology, has been elected to the governing council of the International Society for Mushroom Science.

Edgar Yoder, associate professor of agricultural education, has been selected as the 1992 outstanding teacher in the eastern region by the National Association of College Teachers of Agriculture.



# Focus on Research

Intercom  
August 20, 1992

## Salamander with extra chromosomes could offer understanding of human fetal development

All-female salamanders found in North America appear to have survived far longer than any other unisexual vertebrates yet studied, despite having accumulated extra sets of chromosomes, which are lethal in most vertebrate species.

A team of scientists from Penn State and the University of Guelph described the salamanders in a recent issue of the journal *Nature*. They reported that these all-female salamanders, which reproduce by cloning, can pick up multiple extra sets of chromosomes from extremely infrequent fertilization by males of a closely related species. Through continued cloning, the all-female lineage has passed on these extra chromosomes to future generations throughout its 4-million-year history.

The salamanders are estimated to be 40 times older than the world record-holder, a clonal species of Mexican fish with a pedigree of a mere 100,000 years.

"A rare genetic mutation may have caused these salamanders to reproduce by cloning," said Linda K. Maxson, professor and head of the Department of Biology, who performed the research with S. Blair Hedges, postdoctoral research associate at Penn State, and James P. Bogart, professor of zoology at the University of Guelph.

The offspring of these females are her clones — exact duplicates of one another and of their mother. The offspring of salamanders with this mutation receive all of their genes from the mother because the mutation prevents the father's sperm from fertilizing the eggs. Most other vertebrates, including humans, receive half of their genetic inheritance from each parent — one set of chromosomes from the mother's egg and one set from the father's sperm.

"These salamanders need sperm from males of any of the related species living nearby only to stimulate the growth process by penetrating their eggs, but almost never do the sperm contribute any genetic material to the eggs," Dr. Maxson said.

Although this reproductive scheme almost always prevents the intrusion of new genes, on rare occasions a sperm adds its chromosomes to the set supplied by the cloning mother. "What you get is a salamander with lots of extra chromosomes," Dr. Maxson noted.

"If a human fetus were to acquire so many extra chromosomes it would simply fail to survive," she said. "Understanding how these salamanders can function normally with lots of extra chromosomes may



Linda Maxson and S. Blair Hedges study the lineages of the *Ambystoma* salamander.

Photo: Greg Grieco



The *Ambystoma* salamander

eventually help us understand more about fetal development in humans."

The bizarre evolutionary process has resulted in at least 18 clonal lines of all-female salamanders, each carrying distinct combinations of genes acquired from their heterosexual neighbors. All are members of the group of related species, or genus, that scientists call *Ambystoma*. Scientists had assumed that continuous

interbreeding among the heterosexually neighboring species was producing the all-female salamanders.

"We thought we could identify which of the neighboring species were the original 'mutant-mothers,' and also learn how long ago the mutations occurred by studying the DNA of their mitochondrial genes," Dr. Hedges said.

Mitochondria are small structures that occur in the cytoplasm of all cells. Because mitochondria are inherited solely from the mother, scientists can use mitochondrial DNA to estimate how closely members of a group are related to one another through their maternal ancestors.

"We were surprised to learn that all of these clonal 'species' of salamanders seem to trace their genetic heritage to a common ancient ancestor," noted Dr. Hedges. "We used a computer program to construct a family tree by grouping all the salamanders according to how similar their mitochondrial DNA sequences are."

The scientists expected to find that the DNA of each clonal line would have a close family resemblance to one of the "normal" branches of the *Ambystoma* family tree, an indication that the clonal line was started by a female on that branch. Instead, they found that "virtually none of the clonal lineages was closely related to any of the neighboring species."

"The fact that the 18 all-female lineages sort out as a separate single 'species' was a surprising result that nobody had even imagined," said Dr. Maxson. Rather than being descendants of the neighboring salamanders, they appear to be distant cousins on a family tree started by a common extinct ancestor.

"We were curious to know just how ancient this lineage is," Dr. Hedges explained, "so we calculated its age by counting the number of mutations in the mitochondrial DNA."

Mitochondrial genes in vertebrates seem to develop mutations at a fairly regular, clock-like rate, and scientists know pretty much how fast the clock is running.

"Nobody expected the mitochondrial clock to tell us that these salamanders are 4 million years old, but that was the result," said Dr. Hedges.

"We did not expect to find that a clonal species would have survived this long," Dr. Maxson commented, "but evolution does not always behave exactly as you would expect."

— Barbara K. Kennedy



**STAFF VACANCIES**

The following vacancies for positions classified as staff exempt or staff non-exempt have been listed with the University Employment Division for filing. The brief statements for each vacancy are illustrative. They are not complete position descriptions.

**BY CALLING 865-3000 OR BY MAIL TO: EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. Thursday, August 27. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applicants for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sexual orientation or veteran status.

**■ 00087, Director of Development, Continuing Education, Development and University Relations, University Park Campus** — Responsible to the executive director of University Development for all fund raising programs and related activities for Continuing Education and working closely with the vice president for Continuing Education. Requires bachelor's degree, or equivalent, in marketing, communications or related fields, plus over four years of effective experience in major gift fund raising in a nonprofit environment. Proficiency in verbal and written communication skills and willingness to travel are essential. **FORMERLY STAFF GRADE 9.**

**■ 00088, Project Assistant, College of Engineering, Bloomingburg, University Park Campus** — Responsible to the program chairman for assisting in experiments to study blood flow in microcirculation (capillaries) by microscopy of tissues in anesthetized animals. Prepare chemical solutions, anesthetize small animals, cannulate blood vessels, perform microdissections of tissues and operate signal recorders, pressure transducers, video cameras, and analog and digital electronic devices for monitoring and recording hemodynamics parameters in capillaries. Requires bachelor's degree, or equivalent, in biological, pharmaceutical or engineering sciences. Experience with small animals and surgical procedures and use of microscopes, pH meters, centrifuges, spectrophotometers and microcomputers desired. This is a fixed-term position funded through June 30,

1993, with a strong probability of re-funding. **SPEC GRADE 20.**

**■ 00089, Technology Education Specialist, College of Engineering, Nuclear Engineering, Limerick, Pa.** — Responsible to the coordinator of programming, ICFP, for presenting various programs and providing technical and general information to individuals and groups, and for providing staff assistance in developing and reviewing proposals. Develop and present energy and energy related programs for high school students, civic and service organizations, professional groups, and other individuals or groups with general and technical information on energy, nuclear energy, and radiation. Requires bachelor's degree, or equivalent, in a science or related field, with one-to-two years of effective experience. Some advanced work in an energy-related field and knowledge of educational methods desirable. This is a fixed-term position funded for nine months with probability of re-funding. **SPEC GRADE 18.**

**■ 00092, Coordinator of Student Programs, Undergraduate Education, University Scholars, University Park Campus** — Responsible to the director, University Scholars Program, for out-of-classroom educational activities and in-residence activities. Requires master's degree, or equivalent, plus up to twelve months of effective experience with organizing and delivering out-of-classroom educational programs, supervising student employees, and budget management. This is a ten-month position from August to May. **SPEC GRADE 19.**

**■ 00095, Admissions Counselor II, Undergraduate Education, Undergraduate Admissions, University Park Campus** — Responsible to the director, Division of Admissions Services and Management, for general assistance in handling admissions matters. Participate in and administer admissions activities as assigned. This could include freshmen, advance standing, transfer, re-admission, and baccalaureate or associate degree candidates. Requires bachelor's degree, or equivalent, plus over one year of experience in educational administration or in related field such as industry or military service. Note: Two positions available. **SPEC GRADE 15.**

**■ 00096, Admissions Counselor III, Undergraduate Education, Undergraduate Admissions, University Park Campus** — Responsible to the director, Division of Admissions Services and

Management, for significant responsibilities in handling the more complex admissions matters in an assigned functional area. Participate in and administer admissions activities as assigned. This could include freshmen, advanced standing, transfer, re-admission, and baccalaureate or associate degree candidates. Requires bachelor's degree, or equivalent, plus over two years of experience in educational administration or in related field such as industry or military service. **SPEC GRADE 20.**

**■ 00097, Mechanical/Electrical Engineer II, Office of Physical Plant, University Park Campus** — Responsible to the assigned mechanical engineer. Duties include development of project designs, drawings and specifications for a variety of utility systems and complex building mechanical systems. Requires bachelor's degree, or equivalent, preferably in architectural engineering with building systems option or related field, plus Engineering Licensing certificate and from 36 to 42 months of effective experience in the development of mechanical designs under the guidance of a registered professional engineer. Ability to produce drawings using AutoCad is required. **SPEC GRADE 21.**

**■ 00237, Lab Coordinator, School of Communications, Operations, University Park Campus** — Responsible to the director of operations for the scheduling, maintenance, and operation of an assigned laboratory. Supervise work-study employees. Maintain inventory, prepare usage reports and assist faculty. Must be highly familiar with broadcast/television equipment and camcorder techniques. Responsible for equipment loan pool services, enforcement of rules and collection of fines. Requires bachelor's degree, or equivalent, in communications, broadcasting, or film plus up to one year of experience in video or film production. **SPEC GRADE 17.**

**■ 02358, Assistant Coach I, Intercollegiate Athletics, University Park Campus** — Supervise and coach the Women's Soccer Club. Coordinate and schedule contests. Coordinate work on athletic fields. Responsible for supervision of support operations at Intramural Building. Organize and supervise club events and officials. Maintain inventory of recreational and instructional supplies and equipment. Recruit, train, supervise and schedule student aides, student officials, and special activities assistants. Requires bachelor's degree, or equivalent, in physical education, recre-

ation or business administration plus one year of experience. **SPEC GRADE 19.**

**■ 02359, Coordinator of Student Organizations and Program Development, Behrend College, State Affairs** — Responsible to the director of Student Activities and Reed Student Union for a variety of student activities programs, including advisement to student organizations, development and coordination of leadership training programs for student organizations and leaders, oversight of non-student orientation, sororities, and the Panellenic Council. Requires master's degree, or equivalent in student personnel or a related field, plus six months to one year of effective experience in student union management/student activities coordination, or a bachelor's degree plus over one year of effective experience in the above areas. **SPEC GRADE 19.**

**■ 02360, Assistant to the Director of Student Programs and Services, Wilkes-Barre Campus, Student Programs and Services** — Responsible to the director of Student Programs and Services for coordinating the campus financial aid program. Assist with the conducting of the EOP program, student recruitment, academic advising, counseling, minority relations and other related duties as assigned. Requires bachelor's degree, or equivalent, plus over one year of effective experience in a related field. This is a fixed-term position funded through June 30, 1993. **SPEC GRADE 19.**

In addition, there are a number of positions that, because of the frequency with which they become vacant, are still available after employees in the work unit have been considered. Some such positions are available on a tarry regular basis. They are not announced each time they are open. Instead, they are announced periodically so a pool of interested candidates can be developed. Applications for such positions may be made at any time, and you are welcome to make your interest known to the Employment Division for further consideration when such vacancies occur. These positions, all located in the Applied Research Laboratory, are:

**Position Title**  
00079, Assistant Research Engineer  
00080, Associate Research Engineer  
00081, Research Engineer  
00084, Senior Research Engineer

**Child care facilities book now available**

The fall 1992 edition of *State College Area Child Care Facilities* is now available. Updated each semester, the publication includes information on about 30 different facilities which provide childcare in the immediate vicinity of the University Park Campus. Information includes hours of service, ages served, cost, enrollment size, and services provided. Also included is a check list to help parents evaluate potential child care facilities and a map to show the relative location of the facilities for new members of the community.

For the first time, a babysitters list also is available. Information includes the number of years an individual has been babysitting, their transportation needs, whether they have first aid and CPR training, the ages of children they prefer to babysit, and when they are generally available for babysitting.

Both publications, produced by the Graduate Student Association (GSA), are available free of charge. GSA, located in 111B Kern Building, is open from 9 a.m. to 5 p.m. Monday through Friday, telephone 865-4211.

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PENNSTATE  
**INTERCOM**

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell, Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Gamman, Calendar

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PENN STATE



# INTERCOM

August 27, 1992

Volume 22, Number 2

## University's research funding activity increases

Penn State's leading indicators of research funding activity demonstrate that the University's research ventures are healthy and headed in the right direction, according to David A. Shirley, senior vice president for research and dean of the graduate school.

processed for the same time period was \$233.4 million.

Awards processed are all grants, contracts and agreements processed during that fiscal year, while the annualized amounts take into account those awards that are granted for time periods overlapping the university's fiscal year structure.

Although in general this is good news, Dr. Shirley noted that Department of Defense funding has decreased 8.6 percent.

"In light of the changes in international politics and the absence of a monolithic nuclear enemy, the Department of Defense's research requirements are shifting," he said. "There is less emphasis on direct procurement — as evidenced by the difficulties being experienced in the aerospace industry — and we can expect more emphasis on diversified research designed to solve the complex, varied problems arising from a changing political world."

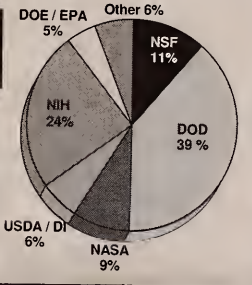
The level of Penn State's Department of Defense

### Annualized Federal Awards by Agency FY 1992

#### Total dollar amounts\*

DOD	\$66
NIH	\$41.4
NSF	\$19.2
NASA	\$14.9
USDA / DI	\$10.3
Other	\$10.1
DOE / EPA	\$7.7

\* In millions, rounded



The 6.3 percent increase in total annualized awards and the 13.5 percent increase in total funding of awards processed for fiscal year 1992 indicate that Penn State is holding its own in the research arena," Dr. Shirley said. Penn State's total annualized research funding for fiscal year 1992 was \$215.7 million and the total amount of awards

See "Research" on Page 2

## President authorizes United Way for direct contributions

President Thomas has affirmed Penn State's commitment to charitable donation, by selecting United Way as the voluntary community fund-raising organization at all University campuses.

As outlined in University policy (AD-6), the president of the University annually authorizes one major, voluntary fund-raising effort for which contributions may be made through direct giving or payroll deduction. It is estimated that more than 75 percent of employees who contribute to United Way do so through payroll deduction. This authorization also includes the use of University mail to distribute information.

In announcing this year's United Way effort at Penn State, President Thomas cited the organization's long history of providing valuable support services in the local communities. "Strengthening the local communities strengthens The Pennsylvania State University," he said.

The county agencies that apply for United Way support are reviewed by vol-

See "United Way" on Page 2

See Related story about United Way on Page 2



The landmark stone entrance on the West side of The Louis E. Reber Mechanical Engineering Building at University Park will soon disappear as part of a \$13.4 million renovation. Construction crews have gutted the central portion of the building and will add a third floor dedicated almost exclusively to new, state-of-the-art undergraduate laboratories. The project adds approximately 10,000 square feet to the existing structure, which dates back to 1920 and was last remodeled in 1949.

Photo: Greg Grieco

## President Thomas to speak to University community Sept. 2

President Thomas will speak in Eisenhower Auditorium at University Park at 4 p.m. Wednesday, Sept. 2. The President plans to discuss issues and opportunities important to Penn State and to celebrate the beginning of the

new academic year at the University. Dr. Thomas's talk is open to the public. Members of the University community are invited to attend.

## Research

Continued from Page 1

awards processed is up 19 percent, an indication of an increased interest in diversified funding.

"While there will be some program cancellations and grants lost in the short term, the Department of Defense research, in the long term, will change and grow," Dr. Shirley said.

The shift in defense funding has actually created a more balanced portfolio of federal funding for Penn State.

For fiscal year 1992, annualized awards from the National Science Foundation are up 42 percent; NASA funding increased 46 percent; Department of Health and Human Services/National Institutes of Health funding rose 24 percent; Department of Agriculture awards increased 40 percent, and U.S. Department of Education funding is up 53 percent.

The situation at the state level, however, is not as encouraging, with awards processed from the Commonwealth of Pennsylvania declining 12 percent.

"The Commonwealth is in a tight budget situation with insufficient money coming in to meet the demands of all clients," Dr. Shirley noted. "The state government is forced into a triage situation, where only the most desperate areas receive funding."

Annualized funding and awards processed are good

**"The Commonwealth is in a tight budget situation....state government is forced into a triage situation, where only the most desperate areas receive funding."**

David A. Shirley  
senior vice president for research

indicators of the current state of research at Penn State, but the number of proposals prepared by faculty and submitted to funding agencies is an indicator of the future. The University's count of proposal submissions via the Office of Sponsored Programs is up 13 percent for fiscal year 1992.

"It's hard to predict if a submitted proposal will be funded," Dr. Shirley said. "Sometimes a researcher is asked to submit a proposal and told there is money available. At other times there is a general request for proposals issued and researchers submit proposals hoping that theirs will be funded."

"The fact that research proposal submissions are up so much is a very good sign. However, while some researchers may be able to gauge their chances for funding, in general, one can't predict funding across the broad range of disciplines and agencies."

With the present economic climate, it also is difficult to determine if Penn State's research funding levels will continue to increase at the current rate.

In the current federal budgeting process, the House of Representatives for the first time reduced the funding level requested by a U.S. president for the National Institutes of Health. The National Science Foundation asked for an 18-percent increase and received no increase at all.

According to Dr. Shirley, it is a very bad year for federal agencies that support research and it is difficult to determine how this reduced funding will affect Penn State in the future. There already may be Penn State proposals in the works for funding that no longer exist.

"The idea that reduced funding in one area benefits another area is a fallacy," he said. "It is fruitless to look to cuts in the space program or the supercollider, because that money will not be allocated somewhere else. It will simply disappear from the funding pool."

The Penn State administrator does, however, see changes in the overall research environment in the United States with more emphasis on a federal technology policy that focuses on the large and complex social problems facing the nation.

"Single-investigator projects are still the backbone of basic research at U.S. universities. But, a broader, interdisciplinary approach to solving the larger problems is becoming increasingly important."

## Team spirit is theme of this year's United Way campaign

Team Penn State is the theme for the 1992 United Way campaign, symbolizing the University community pulling together in support of an agency that supports your county. Through the American Red Cross, the YMCA, Skills, the Sight-Loss Support Group and many others, United Way provides the funding that provides services for you.

Beginning today, campaign organizers are giving employees the opportunity to show their Penn State pride, and contribute to United Way. Team Penn State t-shirts will be on sale at the Penn State Bookstore and at fall sporting events.

The t-shirt features the United Way lion surrounded by various Nittany lion team members. The logo, designed by Patrick Sharbaugh, arts specialist in Instructional Graphics, is symbolic of the network of Penn State employees who believe in and support United Way.

The sale price of the t-shirts is \$10.00. Of that amount, \$4.20 will go toward the cost of the shirt with the remaining \$5.80 going to United Way. The Team Penn State logo will be printed in red and blue on white cotton-blend t-shirts. Departments can personalize the shirts with the name of their unit for approximately 75 cents per shirt for each quantity of 36 shirts or more.

Penn State United Way volunteers will be taking orders in departments throughout campus. Completed order forms and money will be collected at the customer service desk at the University Park Bookstore.

Volunteers at other University locations also can place their orders with the Bookstore. Proceeds from sales at the campuses will be directed back to local United Way

agencies through the Centre County United Way. Campuses ordering t-shirts will be asked to pick up their orders at their campus bookstore in order to save postage and handling costs.

The Bookstore is supplying the t-shirts at cost and will donate the display and inventory space as well as the staffing necessary to organize the sales.

"We were all impressed with the design of the t-shirt," said Mike King, assistant director of the Bookstore. "It reflects the team spirit of the campaign and the Penn State campus as a whole. Being asked to participate in the event is an honor, because we are Penn State, and we want to do what we can to support United Way."

For more information on t-shirt sales and orders, contact your department's United Way team leader, or Don Gilbert at the Penn State Bookstore; 863-3611.



1992 United Way campaign logo designed by Patrick Sharbaugh

## United Way

Continued from Page 1

united citizens, including the Penn State employees, retirees and alumni who reside in those communities. Funding allocations to member agencies are made after a similar review process.

Because not all charitable organizations are involved in United Way, this year Penn Staters will be able to contribute to non-member agencies through payroll deduction. Campaign organizers hope the expanded donor option program will encourage greater participation and support of United Way at Penn State.

In order to qualify for United Way support, non-member agencies must be non-profit human care organizations, served by Centre County, and have 501(c)3 tax exempt status such as the American Heart Association or American Cancer Society. The minimum contribution to a non-member agency is \$50. Designations can be

divided over several agencies. The 1992-93 pledge card will present donors with the option of supporting the general campaign, choosing an area of service to support, or specifying support of a United Way, or qualifying non-member agency.

Employees choosing payroll deduction should be aware that since January 1988, donations are continuous. To make changes, the appropriate "green" change card must be completed. Change cards allow employees to initiate, increase, decrease, or stop contributions to United Way.

These cards are available from personnel representatives or the Payroll Office at University Park. Employees at University Park also can make contribution changes during the annual campaign, from Oct. 28 to Nov. 1, by checking the appropriate box on the confidential "blue" United Way form.

## New outreach program at two campuses

In response to the South Central Pennsylvania region's demand for extended research, training and counseling services in the business and industrial community, Penn State Harrisburg and Penn State York have introduced a new outreach program.

The Business and Industry Outreach Service (BIOS) Center has been developed under the auspices of the Penn State Harrisburg School of Business Administration. The center will have offices at Penn State Harrisburg in Middletown, the Penn State York Campus and the Eastgate Center in Harrisburg.

Designed to provide services which will improve the economic development environment of the region, the BIOS Center will offer free and contracted programs. The center is the newest outreach service in a group of services designed to meet the region's business and industry needs.

Krishna Dhir, director of the School of Business Administration at Penn State Harrisburg is the center's executive director. The Center, which has faculty associates from the School of Business, School of Engineering and other academic units, as well as graduate students and student interns, also will employ two full-time counselors.

Mary Anne van Arsdale, formerly director of the Penn State York Small Business Development Center, will serve as assistant director. In addition to managing the staff and activities of the center, she will meet and consult with clients and will be responsible for working closely with economic development groups.

Michael Oravec, has been named industry analyst for the center. He will be instrumental in contacting manufacturing and technology-based businesses and will be responsible for identifying sources of financing and for making connections between funding providers and applicants. Mr. Oravec previously was grants and funding/marketing consultant for the Penn State Harrisburg Small Business Development Center.

For more information on the types of services provided by the BIOS Center, call Ms. van Arsdale at (717) 948-6069.

## Nominations being accepted for 1993 Teaching Fellow Award

Nominations are now being accepted for the 1993 Penn State Teaching Fellow Award.

Established jointly by the Alumni Association, Undergraduate Student Government and Graduate Student Association, the award carries a monetary prize and release time during which the fellow is expected to promote instructional excellence through discussion of pedagogical strategies in workshops and seminars to diverse groups throughout the University system.

Candidate evaluations will be made on the basis of demonstrated excellence and lasting impact in the following areas:

- Scholarly teaching
- Academic advising and overall career guidance
- Enthusiasm and commitment

Nominations forms for the Teaching Fellow Award are available from the Alumni Association, 105 Old Main, or from posters located throughout the University. Nominations are due by Sept. 18.

# SEPTEMBER 1992\* Future Committee Meetings

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
AUGUST	<b>31</b> WILKES - BARRE Ctr. for Technology Room 101 12:30 - 2:30 p.m.	<b>1</b> HAZLETON Graham Bldg. Rm. G-115 2 - 4 p.m. W-SCRANTON Center Dawson 10 a.m. - noon	<b>2</b>	<b>3</b> AG 101 ASI Bldg. 1 - 3 p.m. GENERAL MEETING University Park 111 Kern 11:30 a.m. - 1:30 p.m.	<b>4</b>	<b>5</b>	
	<b>6</b>	<b>7</b>	<b>8</b> GENERAL MEETING University Park 101 ASI Building 1 - 3 p.m.	<b>9</b> ALTOONA Comm. Aria Center noon	<b>10</b> BEAVER Lab Classm Bldg. Aud. 1 - 3 p.m.	<b>11</b> BEHREND Read Bldg. 10 a.m. - noon HILLAR Quiet Lounge 10 a.m. - noon DUBOIS SHENANGO Sharon Hall, Rm. 215, 9 - 11 a.m.	<b>12</b>
<b>13</b>	<b>14</b> A & A Playhouse 10 a.m. - noon	<b>15</b> BA 807A Conference Room 1:30 - 3:30 p.m. HERSHEY Room C-3621 10 a.m. - noon	<b>16</b> HARRISBURG Olinsted Bldg. Auditorium 10 a.m. - noon	<b>17</b> NEW KENSINGTON The Theatre 2 - 4 p.m.	<b>18</b> ENG 64 Willard 3 - 5 p.m. LIBERAL ARTS 112 Kern 10 a.m. - noon FAYETTE Williams Bldg. Aud. 2 - 4 p.m. MCKEESPORT 122 Fraibe, 8 - 11 a.m.	<b>19</b>	
<b>20</b>	<b>21</b> COMM Carnegie Cinema 3:30 - 5 p.m.	<b>22</b>	<b>23</b> GENERAL MEETING Univ. Park 102 Classroom Building 3:30 - 5:30 p.m. SCHUYLKILL Morgan Aud., Student Ctr. 1 - 2 p.m.	<b>24</b> EMS 20 Mineral Science Bldg 1:00 - 3:00 p.m. ALLENTOWN Rm 111 - 5 & 6 2 - 4 p.m. BERKS The Forum, Student Center 10 a.m. - noon MONTGOMERY General Studies Building Aud. 11 - 1 p.m.	<b>25</b> ED 112 Chambers 9 - 11 a.m.	<b>26</b>	
<b>27</b>	<b>28</b>	<b>29</b> H & HD 209 S. Hendrix 3 - 5 p.m. SCI 102 Classm Bldg., 11:30 a.m. - 1:30 p.m. GENERAL MEETING (Univ. Park) Phys. Plant Conf. Rm 9 - 11 a.m. GREAT VALLEY Room 107/108 3 - 5 p.m.	<b>30</b> GENERAL MEETING (Univ. Park) Physical Plant (Conf. Rm.) 1 - 3 p.m. DELAWARE Library Learning Ctr. 2 - 4 p.m. OGONTZ Spring House 8 - 11 a.m.	<p>* Please note: ● The time for the Great Valley meeting has been changed. ● The Wilkes-Barre meeting is scheduled for August 31.</p>			

## 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, Michael Auman, foreman, preventive maintenance and repairs (Sisam Plant); Alvin L. Conler, lead, heating and ventilating technician, and Connie Ishler, janitorial worker, all in the Office of Physical Plant; and George J. McMurtry, associate dean for administration and planning, in the College of Engineering.

NEWS IN BRIEF

Author's query

Penn State's faculty and staff, active and retired, include many who served in World War II or who had significant civilian experience of it. As a companion book to my *Long Day's Journey into War*, December 7, 1941 (Dutton, 1991; paperback to be released this December), I am now working on the last month of the war, worldwide—July 16 to August 15, 1945. It will be a day-by-day account that will be published in the 50th anniversary year.

If you, or people known to you, have memorable war-related experiences to relate that fit into this segment of time, I would be glad to hear about them in as much concrete detail as possible. Stanley Weintraub, Evan Pugh professors of arts and humanities, 202 Hilseng Cottage, University Park, PA 16802.

Garlic and cholesterol study

The Nutrition Department continues to look for 35 to 55 year-old men with high blood cholesterol levels (245-285 mg/DL) and not on medication to participate in a four-month intervention study to investigate cholesterol-lowering effects of garlic.

The subjects will be required to take odorless garlic capsules or placebo for three months and provide blood samples for analyses of total cholesterol, LDL-cholesterol, and HDL-cholesterol. The subjects also will provide food records for dietary assessment.

At the conclusion of the study, which will begin Sept. 15, the subjects will be provided with all blood test results as well as complete diet analyses. If interested, please call Robert Yeh or Shelly Evans at 863-8109 for further information/interview.

Child care

Child Care Program Services will offer evening child care services to faculty, staff, and students with kids age 2-12 years old on weekday evenings during the fall 1992 semester.

The evening "Fun on the Run" program will be based in Cedar Building at University Park and will operate from 6 p.m. to 9:30 p.m. Costs for students will run \$1 per hour for each child and for faculty and staff, \$2 per hour for each child.

For more information, or to register for the program, please call Child Care Program Services at (814) 865-5886.

Fulbright grants

All graduate students and graduating seniors who are interested in applying for Fulbright grants for graduate study abroad in 1993/94, should contact Mary Gage, University Fulbright Program Advisor, in the University Office of International Programs, 222 Boucke Building, phone 865-7681. Deadline for applications is Sept. 30.

Bookstore services

The general book department of the Penn State Bookstore on campus continues to offer special order services for faculty, staff and students, and rush service for orders, utilizing the fastest and most inexpensive shipping for customers. The book department also ships books anywhere in the U.S. and internationally.

Other services include maintaining a faculty authors section (the bookstore encourages authors to contact our staff with information on recently published books or works in progress), a Penn State Press section and conducting a faculty authors program.

The bookstore also discounts New York Times bestsellers 25-35%; all mass market paperback are discounted 15% (including selected paperback reference books), and maintains a hardcover bestseller sale with discounts up to 40%. For more information, contact Sharlene Marbury or Elaine Packer at 863-3586.

Health Services hours

Beginning Fall Semester 1992, University Health Services (UHS) hours of operation for Fall and Spring Semesters will be:

General Medicine/Outpatient/Women's Health Departments, 9 a.m. to 6 p.m., Monday through Friday. Appointments are recommended. They assure the least amount of waiting time.

Urgent Care Clinic, 6 to 9 p.m., Monday through Friday; 9 a.m. to 5 p.m., Saturday; 1 to 5 p.m., Sunday.

For more information about health services, brochures are available at University Health Services in Ritenour Building at University Park.

# Staff growth in response to new needs and demands at University

Employment growth at Penn State during the past two decades reflects both the changing needs of the Milton S. Hershey Medical Center and a variety of societal changes that have added considerably to the University's workload, among them environmental, health, and safety regulations, the increasing reliance of public universities on private support, and an expanded commitment to multi-cultural diversity.

Growth at The Hershey Medical Center accounts for more than half the growth in Penn State staff in the last twenty years. Medical center staff increased from 889 in 1972 to 2,518 in 1991, or 183 percent, supporting the continuing development of the University Hospital and the College of Medicine which were created in the late 1960s. Employment figures for Hershey were not reported separately from those for Penn State campuses other than University Park prior to 1972.

Responding to societal changes emerging especially in the last decade, staff increases across the University have met needs for new positions in areas such as child care, multicultural diversity, services for returning adult students and women students, telecommunications, financial aid counseling and verification, admissions marketing and recruitment activities, basic skills preparation, academic and personal counseling, and private fund raising.

Staff increases also include positions added to comply with environmental, health,

and safety regulations such as human subjects protection, disability services, health education and promotion, animal care and use, hazardous waste disposal, PCB and asbestos removal, air and water quality, and various building codes.

Substantial growth in Penn State research has required additional employees to provide research assistance and to staff areas such as grants and contracts administration and technology transfer. From 1984 to 1989, the University's research expenditures rose 170 percent.

New staff positions also

**Penn State's staff growth has been substantially less than the average nationwide.**

have been created to keep pace with Penn State's rising enrollment. The University's student population grew from approximately 54,000 in 1972 to 71,000 in 1991, expanding the need for residence hall staff and student programs and activities personnel.

In addition to such workload demands, increases in the employment category at Penn State reflect the reclassification during the 1970s of 124 faculty positions to academic administrator or staff exempt. Also in the 1970s, staff counts increased by 237 due to the reclassification of agricultural employees from wage to staff non-exempt. These changes did not add any new employees to the Penn State system, even though it may appear so when looking

at the change in numbers for specific employment categories.

Adjusting for these reclassifications and reflecting the added demands on the University, Penn State's total administrative staff, comprising executive, administrators, academic administrators, staff exempt, staff non-exempt, and clerical employees at all University locations except Hershey increased 45 percent from 1972 to 1991. The number of staff members grew from 4,235 to 6,146 over the twenty-year period.

During this time, the number of executives, administrators, and academic administrators actually declined by 31 positions or 10 percent. Staff increases occurred in the staff exempt, staff non-exempt, and clerical categories.

Recent press attention implying that administrative staff positions at Penn State rose precipitously in the last two decades fails to take into account the growth at Hershey and the full extent of new demands for institutional activities and services.

In addition, Penn State's staff growth has been substantially less than the average nationwide. National data on university support staff increases between 1975 and 1985 were given in the March 28, 1990 issue of *The Chronicle of Higher Education*. *The Chronicle* cited an increase of 61 percent in academic support staffs nationwide. At Penn State, the increase during this period was 30 percent for staff exempt and non-exempt employees, the categories comparable to the figures provided

## FACULTY / STAFF ALERTS

### Mail route eliminated

Due to a reduction in funding it has become necessary for Mail Services to eliminate one of the four mail routes that service the University Park Campus. This means that most buildings will experience changes in the time and number of pick ups and deliveries of interoffice mail, as well as incoming and outgoing mail.

Some buildings will no longer have two stops per day, and due to logistics, some buildings will have a single mail pick up and delivery in the morning only. All buildings will receive service at least once a day. The revised mail routes and times will be distributed through the mailrooms in each building. The effective date for these changes is Tuesday, Sept. 8.

The University Community is encouraged to utilize E-MAIL, VOICE MAIL, as well as FAX, for interoffice correspondence whenever feasible. A mail drop slot has been installed in the entry way of Mail Services at the Business Services Building to accommodate mail drop off after hours.

For further information concerning this matter, or any other mailing questions, please contact Frank Sindair at 5-9171.

### Pittsburgh Center ceases operations

The Pittsburgh Center for Continuing Education has ceased operations. While programs will operate throughout downtown Pittsburgh, personnel and communications will be based at the McKeesport Campus Continuing Education Office.

Telephone calls for Pittsburgh Center personnel should be routed to McKeesport Campus Continuing Education at 412-675-9040. Mail for the Pittsburgh Center should be sent to McKeesport Campus Continuing Education, University Drive, McKeesport, PA 15132.

Faxes for the Pittsburgh Center may be forwarded to McKeesport Campus Continuing Education fax service at 412-675-9043.

# A CLOSER LOOK AT DIVERSITY

Fall 1992

## A welcome from the president

To the editor:

This week brings new beginnings to Penn State and State College as thousands of freshmen and other new students join our community for the first time. Many will arrive from urban areas while others will arrive after spending the first two decades of their lives in small towns and rural areas. Most will encounter a more diverse community here than they have known at home.

We are fortunate to have thousands of international students and many faculty and staff from other countries and cultures. They help us expand our view of the world and complement the issues of equity and multiculturalism taught in the classroom.

Penn State has worked hard in recent years to help faculty, staff and students learn about and value the diversity in our community. We welcome and look forward to working with the many newcomers who will contribute to those perspectives.

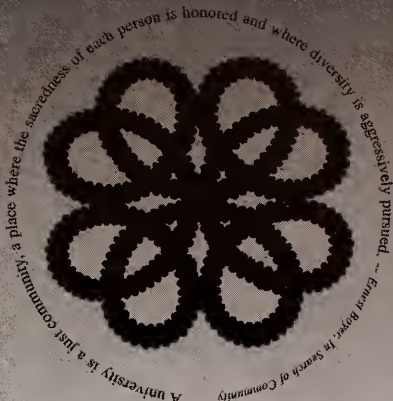
We also encourage new and returning

students to seek out and meet those from other cultures and to take advantage of the courses offered in each college that focus on diversity-related issues. Graduates with an understanding and an appreciation of equity and other cultures will be better prepared to respond to opportunities in the increasingly multicultural work environment. As businesses, politics and research continue to be more multinational, leaders in these areas will have to be able to understand issues and solve problems on a global scale.

The students most likely to succeed after graduation are the ones who succeed in the diverse microcosm here at Penn State. All members of the University community play an important role in creating this environment. I am confident we can work together to give everyone at Penn State the opportunity for continuing success.

Best wishes for the coming academic

year,  
Jaal Thomas  
President



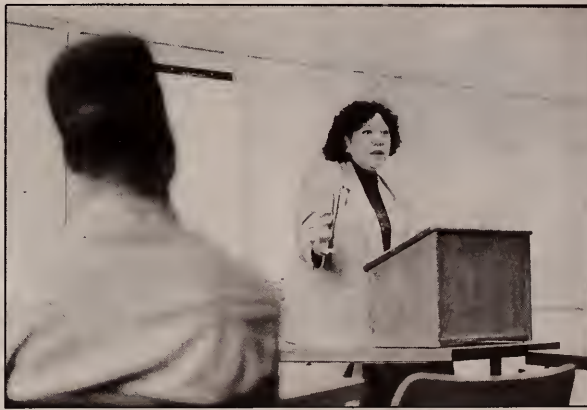
## Center for Minority Staff Development gears up for coming year

The Center for Minority Staff Development is poised for a new year with more programs.

In addition to the return of the popular workshop series, "Coping Strategies for Working in a Predominately White Environment," new programs will include, "Managing Diversity" and the "Mentor/Protege Professional Staff Development program," says Cynthia L. King, director/senior mentor. Offered through Penn State's Human Resource Development Center, the programs are free and open to minorities and non-minorities.

"The Coping" workshops have been very popular among minority and non-minority Penn State staff. Because of its success we decided to expand and continue the series under the new name "Coping II," Dr. King says.

In the "Coping" workshops, successful staff members with five to more years of experience at Penn State share insights and strategies about managing the daily trials and tribulations experienced by people from underrepresented groups in a predominantly mono-cultural environment. The 90-minute monthly workshops, which began in October, were the first major activities offered by the Center for Minority Staff Development.



Beverly Ladrigo, a speaker in the "Coping Strategies for a Predominantly White Environment" series sponsored by the Center for Minority Staff Development.

"In offering such workshops we have found that people of color sometimes need a place to vent. They say that the dynamics of the work environment — related to employee expectations, performance, stress and the level of scrutiny — are often increased when you are not a member of the majority group. These programs and workshops give them a forum to share and learn," Dr. King says.

The new workshop, "Managing Diversity," will focus on the advantages of managing a diverse workforce. Under the guidance of W. Terrell Jones, deputy vice provost, randomly selected staff members at the supervisory and employee levels help each other explore ways to enhance work relationships. Dr. Jones has lectured around the nation on the sub-

ject of valuing multiculturalism.

The three-day workshops will be offered once during the fall and spring semesters. It is the first time employees and supervisors will simultaneously participate in a workshop of his kind.

The new Mentor/Protege program will focus on assigning a new minority staff member with a successful staff professional for one year. The experienced staff member will provide tips, insights and counseling to the new staff members. The program will be evaluated annually and the Mentor/Protege staff relationships will be reviewed quarterly.

"Penn State has made great strides in becoming more ethnically, culturally and racially diverse. These programs are making big strides in retaining the increasingly diverse staff. We believe that the new programs and workshops will be equally as popular and successful as the "Coping" series," Dr. King says.

One of the first in the nation, the Center for Minority Staff Development was established in 1991. It is organized specifically to help minority non-academic staff at Penn State foster professional development and acquire coping strategies for working and living in a predominantly mono-cultural environment.

— Aaron Singleton

### INSIDE THIS SECTION

- ❖ Committee for Gay, Lesbian, Bisexual Equity
- ❖ Women in Science and Engineering
- ❖ Religious holidays
- ❖ Sexual harassment policy
- ❖ New commission chairs

## Just a reminder:

# New sexual harassment policy in effect at University

### Purpose:

To describe the University's position regarding sexual harassment.

### Policy:

Sexual harassment of faculty, staff or students will not be tolerated at The Pennsylvania State University. The University takes an active role in providing information and/or training to students and employees on the seriousness of such behavior and the importance of ensuring an educational and work environment in which all individuals are respected.

### Definition:

Sexual harassment has been defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when:

- (1) submission to such conduct is a condition for employment, promotion, grades or academic status;
- (2) submission to or rejection of such conduct is used as the basis for employment or academic or other decisions affecting an individual;
- (3) such conduct has the purpose or effect of interfering unreasonably with the individual's work or academic performance or creates an offensive, hostile, or intimidating working or learning environment.

### Resolution of Complaints:

Primary responsibility for resolving complaints of sexual harassment has been delegated to the Affirmative

Action Office. In addition, each senior vice president, dean, campus executive officer, and provost/dean will designate one or more individuals in his or her area to assist in resolving allegations of sexual harassment (contact person). Also, a member of the Campus Life Assistance Center staff will be designated to receive allegations from students. The Affirmative Action Office will ensure that these individuals receive the necessary training and support to handle their responsibilities.

Any member of the University community who experiences sexual harassment should discuss the incident with one of the contact persons, an administrator in the department or unit, or a staff member of the Affirmative Action Office or the Human Resources Office.

When cases of alleged sexual harassment are brought to the attention of the University, every attempt will be made to resolve them promptly, fairly and impartially in the most confidential manner possible, with due regard to the rights of both the victim and the alleged offender. Retaliation against anyone for filing or participating in the investigation of a complaint is prohibited.

If attempts to resolve the issue informally are not successful, an investigation may be conducted by the Affirmative Action Office to gather information necessary to reach a determination on the allegations. Investigations will be conducted, with the knowledge of the individual bringing the allegations, in a manner which protects the privacy and rights of all parties con-

cerned. Alleged offenders will be informed of the complaint and provided with an opportunity to respond.

If findings substantiate the complaint, recommendations will be made to the appropriate dean or administrator for prompt action to resolve the problem and to guard against recurrence. Sanctions will be dependent on the circumstances, and may range from a reprimand to dismissal from the University.

Because sexual harassment charges may arise out of consensual romantic or sexual relationships, see Administrative Guideline No. 3, Consensual Relationships.

### Consensual Relationships:

Faculty and supervisors should be aware that romantic or sexual relationships with students or subordinate employees have the potential for adverse consequences, including the filing of charges of sexual harassment. Given the fundamentally asymmetric nature of the relationship where one party has the power to give grades, thesis advice, evaluations, recommendations, promotions, salary increases or performance evaluations, the apparent consensual nature of the relationship is inherently suspect. In such a situation, the person in the position of power bears special responsibilities. Even when both parties have consented to the relationship, there may be serious concerns about conflicts of interest and unfair treatment of others. Under such circumstances, the person in the position of power should relinquish decisions relative to grading, thesis advice, evaluations, recommendations, promotions, salary increases, or performance evalua-



Hajara Bey, of Taylor Alderdee High School, Pittsburgh, took part in a Penn State ceramics class at the University Park Campus during July. She was one of 15 Pittsburgh area college-bound minority students who participated in a summer recruitment collaborative between the School of Visual Arts and the Manchester Craftsman's Guild, a Pittsburgh-based organization.

Photo: Greg Grieco

## Diversity calendars to be distributed monthly to update community on events

The Office of the Vice Provost, in cooperation with Project Growth, has announced plans to distribute Penn State diversity calendars monthly.

Marc B. Levey, special assistant to the vice provost, and Sharon K. Mortensen, assistant director, Campus Life Assistance Center, have been appointed calendar editors.

"Our goal," they said, "is to provide the University community with a timely and usable chronology of diversity events that is as up to date as possible.

"By featuring a monthly theme, we hope to continue educating the community about significant diversity-related individuals, landmarks, dates and topics."

The editors are seeking ideas for monthly themes and art work for each issue. Themes should be diversity-related and, if possible, tied to a specific month.

Each month, the calendar will contain numerous entries of significant diversity events, meetings, seminars, and other activities. Cards for submission of events are available by calling 863-2020 or at the Information Desk in Boucke Building at University Park.

Approximately 2,000 copies of the calendar will be distributed monthly. Deadline for submission of possible themes, art work and daily entries is 20 days prior to publication date. Publication date will be approximately the 25th of the month before cover date.

## Religious holidays throughout the year

Occasionally students request exemptions from class attendance and other University obligations for purposes of religious observance.

This listing, compiled in consultation with campus and community religious leaders, specifies those holy days of the major world religions for which observance may require a student to depart from his/her normal routine at the University. Please note: we have listed only those holy days which occur when classes are in session. This is not, therefore, an exhaustive list of all major holy days in each religious tradition.

### August 1992

31 *Lord Ganesha Chaturthi* birthdate (Hindu, Jain)

### September 1992

9 *Maulid An-Nabi* (Prophet Muhammad birthdate) (Islam)

28-29 *Rosh Hashanah* begins at sundown Sept. 27 and ends at sundown Sept. 29 (Jewish)

### October 1992

6 (approx.) *Dussehra* (Good over Evil);

exact date dependent upon lunar calendar (Hindu, Jain)

7 *Yom Kippur* begins at sundown 6 and ends at sundown Oct. 7 (Jewish)  
12-13 *Sukkot*, first day, begins at dawn Oct. 11 and ends at sundown 13 (Jewish)

19 *Shemini Atzeret* begins at sundown Oct. 18 and ends at sundown Oct. 19 (Jewish)

20 *Simehat Torah* begins at sundown Oct. 19 and ends at sundown Oct. 19 (Jewish)

25 (approx.) *Divali* (Festival of Light)



## First Women in Science and Engineering Conference attracts 25 Penn Staters

A delegation of 25 Penn State representatives will attend the first Women in Science and Engineering Conference sponsored by the Committee on Institutional Cooperation, Oct. 1-4 at Indiana University, Bloomington.

The CIC is the academic consortium of the eleven Big Ten universities and the University of Chicago.

"In order to remain internationally competitive, women must become an integral part of American science and engineering," says Sharon Jadmak Luck, director, Women in Engineering Program, College of Engineering.

"Women make up 45 percent of the total work force, but only 16 percent are employed as scientists and engineers," says Ms. Luck, who is coordinating Penn State's delegation to the conference.

She notes that these women are concentrated in psychology, sociology and the life sciences and not in such traditionally male fields as mathematics, engineering, physics, chemistry and geosciences.

The CIC universities represent more than a half-million undergraduate, graduate and professional students on their campuses and confer 10 percent of all master's and professional degrees and nearly 19 percent of the science, engineering and mathematics doctoral degrees awarded annually in the U.S.

The primary purpose of the Women in Science and Engineering Conference is to develop both institutional and consortial action plans to increase the recruitment and retention of women in the sciences, engineering and mathematics.

"With this conference, we hope to stimulate the development of programs for women in science and engineering on CIC campuses; increase the participation of women in science, engineering and math at all educational levels, and identify ways to enhance recruitment and retention of women in these areas," Ms. Luck says.

Another goal is to spark the establishment of networks among women scientists and engineers and provide role models and mentoring relationships.

Penn State's delegation represents faculty and staff and graduate and undergraduate women in the sciences, engineering, math and the quantitative social sciences.

Conference sessions will feature historical information, curricular and teaching initiatives, campus climate, pre-conference programs and demographics. Pre- and post-conference sessions are scheduled for the delegates so that the conference is not simply a one-time event, but part of a process to increase the numbers of women at Penn State who are undergraduate students, graduate students, faculty and staff in the sciences, math and engineering.

Penn State participants in the formal program will include John Brighton, executive vice president and provost, who will participate in the Academic Administrator Panel on Institutional Strategies for Change; Mary Frank Fox, associate professor of sociology, who will discuss current demographics and statistics on women in science and engineering; Linda Schiebing, associate professor of history and women's studies, who will present historical information on women in science and engineering, and Donna Huges, instructor in women's studies, who will cover curricular and educational initiatives.

Some of the topics addressed will include education and workplace barriers; sexism and harassment; differential treatment of men and women; whether women do science and engineering differently than men, and whether women will reach parity in science and engineering.

Poster sessions will cover successful Women in Science programs at the CIC universities, successful Women in Engineering programs and student research projects.

— Andrea Elyse Messer

This student, performing a cultural dance, took part in Asian American Awareness Day held in April at University Park. The day, sponsored by the Asian American Student Coalition, was held to increase awareness of Asian American traditions, as well as issues.

Photo: Greg Grieco



## Committee for Lesbian, Gay and Bisexual Equity moving toward antidiscrimination goals

Established just one year ago, the Committee for Lesbian, Gay and Bisexual Equity has grown, become more diverse and is steadfast in its purpose.

"In essence, our purpose is probably best stated in our name," says Steve Armentrout, professor of mathematics and chair of the committee. "As we all know, equity is often hard to define and difficult to achieve, but we have wonderful support and commitment."

To meet the goal of fostering a community free from discrimination against lesbian, gay and bisexual individuals, the Committee for Lesbian, Gay and Bisexual Equity — which has grown from 21 to 26 members — has developed three sub-committees: University Structure and Policy, Curricular Integration and Education.

The University Structure subcommittee monitors University policies and procedures for the inclusion of sexual orientation concerns; makes recommendations; advocates for the implementation of the University's sexual orientation non-discrimination policy, and facilitates communications and action with the Office of the Vice Provost.

The Curricular Integration subcommittee works to increase faculty awareness of gay, lesbian and bisexual issues and to enhance the teaching and learning environment for gay, lesbian and bisexual people. The subcommittee also assists faculty in the development of courses related to lesbian and gay scholarship.

The Education subcommittee monitors the Penn State community's understanding of gay, lesbian and bisexual equity and develops specific programs to meet the particular needs of different constituencies.

"Many of those efforts have led to productive workshops and discussions. We plan to continue those activities plus more in the 1992-93 academic year," says Dr. Armentrout.

Achievements last year included conducting homophobia workshops and working with University Health Services to help expand HIV testing and counseling services for students.

In addition to continuing last year's activities,

for 1992-93 the committee hopes to explore the possibility of expanding University HIV testing and counseling services for faculty and staff; develop a brochure on homophobia/heterosexism for faculty, staff and students, and establish funding for a monthly lesbian, gay and bisexual issues calendar.

Committee members represent a spectrum of age, ethnic, racial and sexual orientations as well as University departments. Members include: Dr. Armentrout; Estela Beninson, associate professor of education; Jeannette Bragger, College of Liberal Arts associate dean; Corinne Caldwell, Mont Alto Campus chief executive officer; Sabrina Chapman, Center for Women Students director; Kenneth I. Clarke, assistant director of religious affairs; Michelle Clossick, graduate student representative.

Tony D'Augelli, professor of human development; Mary Dupuis, professor of education; Karen Feldbaum, associate director of residence life; Carl Frankel, assistant professor of biology; Lynda Goldstein, Wilkes-Barre Campus assistant professor of English; LaVerne Gyant, interim director of Black Studies; Cynthia Harter, secretary in the Office of Affirmative Action; Lisa Henderson, assistant professor of communications; W. Terrell Jones, deputy vice provost;

Patricia Koch, assistant professor of health education; G. Greg Lozier, Planning and Analysis executive director; Steve Mostert, associate director of admissions; Sue Rankin, women's softball head coach; Louise Sandmeyer, Continuous Quality Improvement Center director; Margaret Spear, Riteour Health Center director of dental services; Craig Waldo, undergraduate student representative; Julie Williams, women's lacrosse head coach, and Lawrence W. Young Jr., Paul Robeson Cultural Center director.

Ex-officio members are James Stewart, vice provost; Jamie Brandt, Lesbian, Gay, Bisexual Student Association; Linda LaSalle, graduate student coalition, and Bonnie Ortiz, director of Affirmative Action. Anne Ard, senior diversity planning analyst, serves as support staff.

— Aaron Singleton

date dependent upon lunar calendar (Hindu, Jain)

February 1992  
Baha'ullah birthday (Baha'i)  
Guru Nanak birthday (Sikh)

March 1992  
Bodhi Day (Enlightenment)  
Acheta  
Immaculate Conception (Roman Catholic)

February 1993  
22 (approx.) Ramadan (30 days); exact dates dependent upon lunar calendar (Islam)

24 Ash Wednesday (Roman Catholic, Protestant)

March 1993  
8 (Holi, Spring Festival (Hindu, Jain)  
24 (approx.) Idul-Fitr—end of fast of Ramadan. Exact date dependent upon lunar calendar (Islam)

April 1993  
6-7 Passover begins at sundown April 6 and most observances end at sundown April 7 (Jewish)

9 Good Friday (Roman Catholic, Protestant)  
16 Holy Friday (Orthodox Christian)  
21 Festival of Kidiyan (Baha'i)

May 1993  
20 Ascension Thursday (Roman Catholic, Protestant)  
26-27 Shavut begins at sundown May 25 and ends at sundown May 27

(Jewish)  
30 (approx.) Idul-Adha (Festival of Sacrifice); exact date dependent upon lunar calendar (Islam)

June 1993  
21 (approx.) Muharram (New Year); exact date dependent upon lunar calendar (Islam)

21 (approx.) Ratha-yatra (New Year); exact date dependent upon lunar calendar (Hindu)

Source: Office of Student Activities and Religious Affairs

# New commission chairs ready to undertake their duties

## COMMISSION FOR WOMEN

From Penn State Schuylkill to the University Park Campus is a long three-hour trek, but Danielle P. Richards has willingly logged the 170 miles many times as a member of the University's Commission for Women. And, the road has steered her into the lead role as chairperson.

"I'm very excited to serve as chair this year," said Ms. Richards, a counseling and advising assistant at the campus. "While the University has made progress in several areas documented by the Strategic Study on the Status of Women in 1985, the need still remains to review

***"As the University redefines its various missions....we need to be vigilant at all levels that diversity and equity issues are not adversely affected."***

Danielle P. Richards  
chairperson

and evaluate the climate for women and leadership share at Penn State."

Ms. Richards has been a commission member since 1988 and currently is one of four members representing the Commonwealth Educational System.

"An important goal for me will be to serve as a voice for all CES women, to know their concerns and to be able to voice them to individuals at University Park," she notes. "A large number of the

University's employees are at Commonwealth Campuses, and they need to be heard.

"The commission also will be following the universitywide budget cuts and their potential impact on equity," she adds. "As the University redefines its various missions, particularly through the work of the Future Committee, we need to be vigilant at all levels that diversity and equity issues are not adversely affected."

Other issues for this year include gender equity in athletics, leadership share, classroom climate for women students, and a study of the promotion and tenure process for faculty in underrepresented groups.

Since joining the campus in 1981, Ms. Richards has been on the forefront of women's concerns in Schuylkill County. In addition to her University work, she also headed the Schuylkill County Women's Conference and was co-chair of the Schuylkill County Commission for Women. The groups sponsor activities that encourage area young women to be active and to take leadership roles in the community.

"The young women in our local communities and at the University need a great deal of support and encouragement to achieve their academic and career goals," she notes. "It is so important for institutions to be actively involved because women will play a critical role in the workplaces, board rooms and classrooms of the 21st century."

— Vicki Fong



Danielle P. Richards

Photos: Greg Grieco

## COMMISSION ON RACIAL AND ETHNIC DIVERSITY

Everybody belongs to one or more cultures, whether it be ethnic, racial, corporate or neighborhood. And according to Stanley J. Nowak Jr., teaching people from different cultures to respect and value each other is the real challenge.

As the new chair of the Commission on Racial and Ethnic Diversity, Dr. Nowak is well prepared to head the

advisory group to the president on ethnic and racial diversity issues facing the University. During the 25 years that he has taught in CES — the last 12 at the Penn State Allentown Campus — he has been active in an unusual mix of Spanish literature, humanities, social science and human resource development.

"Generally, rather than viewing

intercultural issues as stemming from differences in language, race, ethnicity or other traditional signifiers of culture, I find it more useful to view any group that shares a reception of the world or a belief system to be a culture," he notes.

"There are many examples of the utility of this more expansive view here at Penn State where we have different cultures in CES and in University Park, in undergraduate and graduate faculty, in functional areas such as admissions, student services, physical plant or administration. All have different cultures, and most of my work has been focused on attempting to facilitate people developing an appreciation of the values and belief systems of those from other cultures."

Currently associate professor of Spanish, humanities and social science, he directs the Center for Intercultural Community-Building, which succeeded the Hispanic American Center he founded at Penn State Allentown. A key program has been "Institutional Structures

and Human Values," a one-week intensive course offered for students, faculty and staff, corporations, other universities and community agencies.

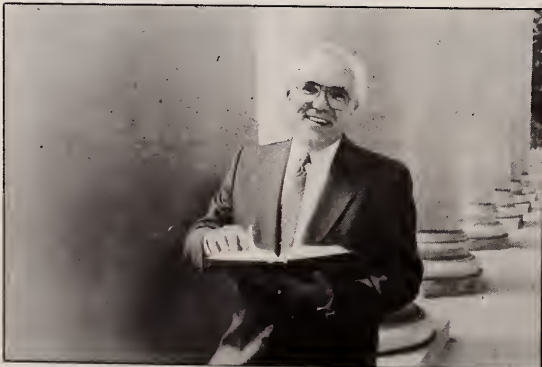
This year, in addition to serving in the University Faculty Senate, he will be developing a program that emphasizes valuing diversity through community service in the Lehigh Valley, which has a large and growing Latino population.

"My hopes for the commission is to look at key on-going University initiatives and see if diversity is truly a priority in their agendas," Dr. Nowak says. "If diversity is not valued as part of the primary agenda, criteria such as 'quality' can be used to exclude those we should be serving."

"We need to help each other to be tolerant of differences and to stop projecting our own negative characteristics onto those who are different. Emotionally mature individuals naturally value diversity. If we can foster collective tolerance, we can become catalysts for the synergy we desperately need to address the problems we face as a university community."

His goals include gaining access to diversity-related information in order to give effective advice to the president on diversity issues; supporting the commission's caucuses to advocate for their constituencies, and building stronger coalitions with other underrepresented University units.

— Vicki Fong



Stanley J. Nowak Jr.

### Odyssey on WPSU

"Be watchful and strengthen the things that are ready to die," writes poet and essayist Wendell Berry, the subject of the next Odyssey Through Literature broadcast on WPSU.

Host Leonard Rubinstein discusses Berry's thought with Barbara Anderson-Siebert, lecturer in the Science, Technology, and Society program at Penn State. This fall, she is teaching Berry's writing in a new course, "Prophecy for a New America: Becoming Native to a Place."

What Berry is specifically against is anonymity. "If we were to use the term 'evil' at all in identifying aspects of our culture which need attention," Ms. Anderson-Siebert says, "what would be evil is abstraction. That sense that there are things going on, but nobody's doing them. The individual is seen as powerless. In an odd sense, the individual is glorified in our culture, and absorbed."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Kern exhibits

Three exhibits are on display until Sept. 25 in the Kern Building Galleries at University Park.

"Through a Len's Eye" is a collection of photographs taken by Len Siebert in the 1970s, many of which grew out of work being done in television productions.

Mr. Siebert was a producer-director in educational television in Newfoundland, Canada, and at Penn State, but was not comfortable behind the lens of a still camera.

Mary Beth Rudy, an artist known for her papier mache sculpture, has been sculpting since she was a child. Her first work in papier mache, a collie dog, won a blue ribbon for her at the age of 9.

Her exuberant works continue to win many awards and loyal customers. Although her sculptures are primarily whimsical animals, the artist's work includes people, jewelry and furniture.



A taste of Len Siebert's work



Ms. Rudy's papier mache sculpturer

Much of the inspiration in the exhibit of handmade jewelry by Lydia Dambekains comes from her travel experience in Asia and Africa, where she lived for several years.

Ms. Dambekains, currently a Ph.D. student in art education at Penn State, has taken a variety of colors, patterns and styles from the ethnic traditions of these areas of the world and incorporated

rated the designs into her own creations.

### Art-to-Go

During September the lobby display in the Calder Way and Allen Street office of People's National Bank, State College, will feature three small vessels of ancient Greek and Roman origin. The objects are from the permanent collection of the Palmer Museum of Art.

Included in the display are a Greek panathenaic amphora, a Greek alabastron and a Roman glass bottle with a faceted handle. The descriptive words, alabastron and amphora, indicate specific shapes and functions of the vessels.

The oldest piece in the exhibit, the Greek alabastron, dates from 700 B.C., while the earthenware amphora dates from 500 B.C. The glass bottle, which is an example of blown glass, is dated to the first century B.C. or A.D.

Funding for Art-to-Go is provided by the Friends of the Palmer Museum of Art.

### Print exhibit

Prints from the permanent collection of the Frans Masereel Center for Printmaking, Kasterlee, Belgium, are being exhibited in Zoller Gallery at University Park through Sept. 25.

The exhibit includes lithographs, serigraphs and etchings by artists from Belgium, Venezuela, Poland, the Netherlands, Spain, Germany, Great Britain, Israel, Canada and the United States.

Charles Cave, assistant professor of art, selected the exhibit during his residency at the Frans Masereel Center, which is part of the Ministry of the Flemish Community, Arts Department.

Zoller Gallery is in the Visual Arts Building. Gallery hours are: 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday; noon to 4 p.m. Sunday. Admission is free.

### Concert scheduled

Smith Toulson, along with fellow faculty member Timothy Shafer, pianist, will present a recital of music written for the clarinet and piano at 8 p.m. Wednesday, Sept. 2, in the Recital Hall of the Music Building at University Park.

Mr. Toulson and Mr. Shafer will perform a wide range of works, including Francis Poulenc's Sonata for Clarinet and Piano, Alban Berg's Vier Stucke, and a less well known piece, The Hillandale Waltzes by Victory Babin. Mr. Toulson also will play the Three Pieces for Solo Clarinet by Igor Stravinsky.

Mr. Toulson, a member of the Pennsylvania Quintet, has just returned from a three city, ten-day tour of Germany with that group.

### Pattee exhibit

Awareness to the Libraries' pollution and preservation problem and the importance of the combined efforts of Penn State faculty, staff, and students to eliminate the root causes — food, drink, noise, vandalism — is the theme for the exhibit, "Trashing the Libraries: The Preservation Problem." The exhibit is on display in Pattee Library's main lobby through Nov. 9.

Small models of dead bugs surrounding a sample pile of garbage found in the Libraries help to relay the pollution problem of food and drink consumption in the Libraries.

Addressing the noise, as well as the food/drink pollution problem, and highlighted in the exhibit are educational materials such as posters, bookmarks, buttons, and brochures from the "No Food/No Drink/No Noise in the Libraries" publicity campaign.

The preservation portion of the exhibit is housed in the display case directly outside of the Penn State Room and includes brittle and vandalized books; before and after photos of damaged collections; tools used to repair damaged materials, and costs to repair or replace collections.

Highlighted in the exhibit are a few of the Libraries' ongoing preservation initiatives supported by private funding, including the decodification and encapsulation of the Hexamer Maps, the duplication of negatives in the Fay S. Lincoln photograph collection, and the filming of the Centre Democrat.



Exhibit on preserving the libraries



# University Park Calendar

## Aug. 27 — Sept. 6

### SPECIAL EVENTS

Sunday, Aug. 30  
Shaver's Creek, Wildflower Walk, 2-4 p.m. Call 863-2000.

### PUBLIC RADIO

WPSU-FM 91.1  
Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License,"

12:30 p.m. Thursdays.

### CONFERENCES

Sept. 2-4. Vocational Significance of Hearing Loss; 50 attendees; local hotels/motels; Thomas Frank, chair; Chuck Herd, coordinator.

### SEMINARS

Tuesday, Sept. 1  
Nutrition Colloquium Series, 4 p.m., 273 Willard. Stanley Curtis on "AAALAC Accreditation: Where is it Going?"  
Wednesday, Sept. 2

Eng. Science and Mechanics EmCh 514, 3:35 p.m., 314 Hammond. Richard P. McNitt on "Benjamin Franklin."

### EXHIBITS

Kern Gallery  
Len Siebert, "Through a Len's Eye," collection of photographs taken in the 1970s, through Sept. 25.

Pattee Library  
Main Lobby:  
"Trashing the Libraries: The Preservation Problem," through Nov. 9.  
East Corridor Gallery:

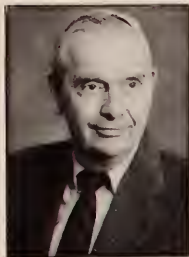
■ Saudi Arabian Art Education Association, "Saudi Children's Art," through Aug. 31.

West Lobby Gallery:  
Kenneth Miller, "Severed Moments," an exhibition of oil paintings, through Aug. 31.

Zoller Gallery  
■ Prints from the permanent collection of the Frans Masereel Center for Printmaking, Kasterlee, Belgium, through Sept. 25.

■ Reflects an international perspective

## Professors cap longstanding careers with emeritus rank



Frank F. Aplan

Frank F. Aplan, distinguished professor of metallurgy and mineral processing, has retired with emeritus status after 23 years service.

Dr. Aplan is widely known as an authority on coal flotation and has received many honors for his contributions to coal technology and the processing of minerals.

He received his BS. in metallurgical engineering from the South Dakota School of Mines, M.S. from Montana School of Mines, and Ph.D. from the Massachusetts Institute of Technology. He was awarded an honorary M.E. degree by Montana Institute of Technology in 1968.

He joined the faculty in 1968 as head of the mineral processing program, following a 15-year career in industry with Kennecott Copper and Union Carbide, and a faculty position at the University of Washington. He served as head of mineral processing for almost ten years, and for two years as head of metallurgy.

Dr. Aplan holds the Richards Award of AIME, the highest professional honor in mineral processing, and in 1989, was elected to the National Academy of Engineering. A year later, an eponymous award was established in his honor by the Engineering Foundation, whose members sought to recognize not only Dr. Aplan's major contributions to his field but also his more than ten years of service as a member of the Foundation's board of directors. He also has received the Wilson Award for Outstanding Teaching, and in 1983 was honored by the South Dakota School of Mines as among its most eminent graduates.



Peter M. Lavin

Peter M. Lavin, professor of geophysics, has retired with emeritus status following 29 years service.

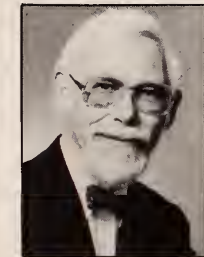
He received the B.S.E. degree from Princeton University in geological engineering in 1957, and subsequently entered Penn State's geophysics program as Kennecott Corporation Fellow, receiving his Ph.D. in 1962.

Dr. Lavin has taught a broad range of undergraduate and graduate courses in geophysics and geophysical field methods, and carried out research on exploration and engineering geophysics, and gravity and magnetic data interpretation.

He was honored in 1977 with the Wilson Award for Outstanding Teaching. In the past several years, he has spent considerable effort in developing the student computing facilities and computer-related instruction in geosciences.

Robert F. Schmalz, professor of geology, has retired with emeritus status after 32 years service. He served twice as acting head of the Department of Geology and Geophysics, and as chairman of the Geology Section (1971-74), and as Coordinator of Undergraduate Programs in Geosciences (1974-77).

Dr. Schmalz received the degree of A.B. (cum laude) from Harvard College, and A.M. and Ph.D. degrees from Harvard University, all in geology. He spent a year as a research assistant at Woods Hole Oceanographic Institute, before joining the Penn State faculty in 1958 as assistant professor of geology and geophysics. He was named professor of geology in 1969.



Robert F. Schmalz

He has broad research interests in marine geology and the chemistry of sedimentary processes, particularly the origin of marine chemical sediments. For the past decade, he also has been active in the area of low-level radioactive waste management, and is coeditor and contributing author of the recent book *Environmental Radon: Occurrence, Control and Health Hazards*.

Dr. Schmalz is an elected Fellow of the American Association for the Advancement of Science, a Fellow of the Explorers Club of New York, and Fellow of the Geological Society of America. He served as a Visiting Lecturer for the American Geological Institute in 1969 and as Distinguished Lecturer for the American Association

of Petroleum Geologists in 1976-77.

At Penn State, he is noted as an undergraduate teacher, receiving the Wilson Award for Outstanding Teaching in 1969 and the Christian R. and Mary F. Lindback Award for Distinguished Teaching in 1970. In the community, he is known for his extensive public service in water resources and waste management.

George Simkovich, has retired with the



George Simkovich

rank of professor emeritus of materials science after 27 years service.

As a student at Penn State throughout the 1950s, he earned B.S., M.S., and Ph.D. degrees in metallurgy. Before joining the faculty in the College of Earth and Mineral Sciences in 1964, Dr. Simkovich was a research associate at Yale University and a National Science Postdoctoral Fellow at the Max Planck Institute for Physical Chemistry in Göttingen, Germany. From 1962 to 1964 he was a scientist at U.S. Steel's Fundamental Research Laboratory.

During an active career of research and teaching, Dr. Simkovich has devoted a significant effort to the development of alloys with oxidation resistance under high temperature conditions, and carried out extensive research on the effect of point defects in a range of processes. He received a U.S. patent for oxidation resistant alloys in 1987.

In 1991, his research achievements were recognized by the Penn State Chapter of the American Society for Metals International, which awarded him its David Ford McFarland Award for Outstanding Achievement in Metallurgy. This was the first time in its 43-year history that the award had been made to a Penn State professor.

He has been a visiting scientist at the Institute of Materials Science in Krakow, Poland, at the University of Bourgogne in Dijon, France and on a number of occasions at the Max Planck Institute.

Dr. Simkovich has supervised the thesis research of more than fifty graduate students in the metals science and engineering program. In 1984 he received the Wilson Award for Outstanding Teaching.

He is a member of the Electrochemical Society, the National Association of Corrosion Engineers, the American Society for Metals, and the

American Institute for Mining, Metallurgical and Petroleum Engineers.

William A. Vogely, professor of mineral economics, has retired with emeritus status after 18 years service.

Dr. Vogely, who served as head of the Department of Mineral Economics from 1975 to 1983, joined the College of Earth and Mineral Sciences following a career with the United States government.

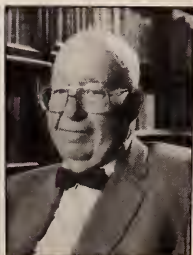
He served as the chief economist for the U.S. Bureau of Mines and as assistant director-Mineral Resource Evaluation, in charge of commodity analysis and statistical services to the Bureau. He was the official representative of the Department of the Interior to prolong trade negotiations under the General Agreements on Tariffs and Trade, held in Geneva 1960-61. From 1970 to 1975, he was senior natural resource adviser to the Secretary of the Interior. He received the department's highest honor, the Distinguished Service Award, and a Presidential Citation.

Dr. Vogely has been a major force in the development of mineral economics as a distinct discipline and is one of its chief proponents. In 1972, he was awarded a Doctor of Laws degree by Kenyon College in recognition of his contribution to the introduction of mineral economics into the federal government.

At Penn State, he assumed leadership of the first-ever university Department of Mineral Economics and sustained its leading position among academic programs in mineral economics in the United States. He supervised and conducted research in mineral investments, mineral market behavior and mineral policy analysis, and is author and editor of major papers and books in the field.

He was editor of the 3rd and 4th editions of *Economics of the Mineral Industries*. Since 1988, he has served as editor-in-chief of *Materials and Society*, an international journal published by Acta Metallurgica. In 1980, he served as the founding president of the Mineral Economics and Management Society.

Dr. Vogely received his A.B. in economics from Kenyon College, and M.A. and Ph.D. in economics from Princeton University.



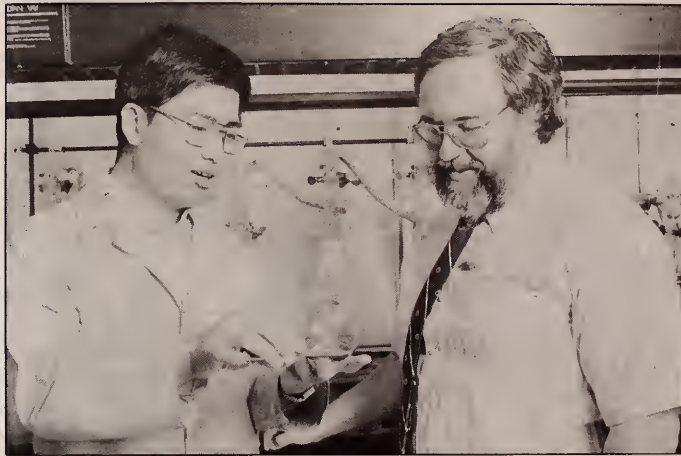
William A. Vogely

# Focus on Research

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Intercom  
August 27, 1992

## Coal seen as excellent source for manufacturing certain plastics



Chunshan Song and Harold H. Schobert looking at liquefied coal.

Photo: Greg Griefco

Coal, rather than petroleum-derived hydrocarbons, should be the raw material for making specialty plastics and carbon compounds, according to a team of University researchers.

"The soft drink bottles, the fluorescent ink in highlighting pens and the material that will be the next generation of videotape can all be made from aromatic compounds produced when coal is liquified," said Chunshan Song, research associate in the fuel science program.

"Coal is a good source of compounds like naphthalene and anthracene, aromatics that are used to make specialty engineering plastics and the feedstocks used to make carbon fibers, whiskers and fullerenes," said Harold H. Schobert, chairman of the fuel science program and associate professor of fuel science.

"It is time we stopped thinking of coal as simply something to burn, and considered it as a chemical feedstock," Dr. Schobert said.

"It's time to look at the coal chemistry industry in the same way that chemists look at other organic syntheses. We need to start with compounds of known structures, add reagents and catalysts of known activity and generate a specific product with a high yield," he said.

"Currently, the standard method is to grab some coal, add some catalyst and see what happens. It should be possible, if we know the coal structure and the catalysts, to direct the reaction to produce a high yield of a specified substance."

While total conversion of coal to a liquid during liquefaction can be as high as 90 percent, the products obtained using conventional liquefaction techniques are still a very complex mixture of compounds that must be separated before the components can be

used as chemical feedstocks.

"The liquids created by advanced coal liquefaction, because they retain the aromatic ring structures found in coal, are theoretically more attractive than the products of crude oil refining as feedstocks for the current and future generations of advanced engineering plastics," said Dr. Schobert.

The researchers are looking at temperature-programmed liquefaction as a direct method of converting coal to chemicals. Their goal is to bias the liquefaction process into producing a high percentage of a desired compound. This is done through the initial choice of coal and catalysts and by the temperature regimen used in the process.

Other organic chemists typically do exactly the same thing by choosing a starting chemical, the proper reagents and then controlling the temperature so that the maximum amount of the desired product is synthesized.

"In order to be able to do this, we must know which coal to choose and which catalyst," said Dr. Schobert. "We need to know the detailed structural characteristics of coals, understand the various catalysts, and investigate the effects of temperature and the rate of temperature increases on reactions. This is not information that is currently available in all cases."

"We also need to analyze products made using temperature programmed liquefaction to see how well it is working," said Dr. Song. "On the one hand, we do not want to run the reactions to the



***"It is time we stopped thinking of coal as simply something to burn, and considered it as a chemical feedstock."***

Dr. Schobert  
associate professor of fuel science

point were all we have left is methane, but on the other hand, we want to control the temperature so that we obtain the maximum product."

While sulfur often causes problems when coal is used as a fuel, the Penn State researchers view sulfur as a weak link in the coal structure where the compounds can be broken apart at lower temperatures.

"Conventional coal liquefaction is like using a hammer to crack walnuts," said Dr. Schobert. "You do break the shell, but the result is a mixture of crushed walnut and shell, some of which must be discarded and all of which must be carefully sorted."

"Our approach to liquefaction is analogous to using a knife carefully inserted between the two shell halves, it takes less effort, is less messy and produces two whole nutmeats. We are trying to sharpen the knife and find the seam to break apart the coal where it will produce the compounds we want."

— Andrea Elyse Messer

**STAFF VACANCIES**

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filing. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, Sept. 3. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applicants for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **00133, Administrative Aide, Development and University Relations, University Park Campus** — Assist in developing departmental budgets; supervise the operation of the office and activities of clerical personnel; assist in coordination and implementation of public ceremonies; respond to inquiries and problems on behalf of the executive director, coordinate campus tours and provide assistance to tour guide program, assist with campus United Way Campaign. Requires an associate degree, or equivalent, plus two-to-three years of experience in program coordination and office management. An ability to supervise others also is required. FORMERLY STAFF GRADE 5.

■ **00134, Coordinator, Student Alumni Programs, Development and University Relations, Alumni Association, University Park Campus** — Responsible to the associate executive director for alumni relations for the planning and execution of programs involving students to support the mission and objectives of the Alumni Association

and the Office of University Development, as well as assisting other University departments and offices. Requires bachelor's degree, or equivalent, plus six-to-twelve months experience with a demonstrated knowledge of student organizations and activities and institutional programs; good rapport with students and good written, verbal and organizational skills are required. FORMERLY STAFF GRADE 5.

■ **00136, Graphic Designer, Development and University Relations, Publications, University Park Campus** — Responsible to the art editor for the design of University publications, as assigned, within established time limits and maintaining the highest quality of standards possible. Requires bachelor's degree, or equivalent, in art plus up to two years of experience in graphic design. FORMERLY STAFF GRADE 5.

■ **00197, Staff Psychologist, Behrend College** — Responsible to the dean of student affairs for providing counseling and psychological services, including individual counseling/psychotherapy, crisis evaluation and intervention, assessment of emotional and behavioral problems, group therapy, and educational programming. Requires Ph.D. in counseling or clinical psychology, or equivalent, including a one-year internship; or a master's degree in counseling or clinical psychology plus three or more years of applicable experience. It is preferred that the doctorate be from an APA-approved program with an APA-approved internship, and that the counselor be licensed or license-eligible in the Commonwealth of Pennsylvania. SPEC GRADE 24.

■ **00293, Coordinator, Campus Residential Life, Student Services, Hazleton Campus** — Responsible for carrying out specific responsibilities in the area of residential life and for assuming full responsibility for assigned residence hall areas in the absence of the supervisor. Requires bachelor's degree, or equivalent, plus at least one-to-two years of effective experi-

ence or a master's degree, or equivalent, in student personnel or related field with three-to-six months of residence hall experience. Note: This is a continuing term-month, live-in position. This is a fixed-term position funded through May 1993. SPEC GRADE 19.

**Hershey**

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by Sept. 3.

■ **01078, Clinical Nurse Specialist, College of Medicine, University Hospital, Department of Nursing Services** — Responsible to the director of nursing and/or assistant director of nursing for providing nursing expertise within his/her clinical specialty. Serves as consultant, collaborator, educator, clinician, researcher and change agent for specialty area. Functions in inpatient, outpatient and/or community settings. Requires a master's degree in nursing plus 1-2 years of effective clinical experience in area of expertise, and current licensure by Pennsylvania State Board of Nursing. Certification in specialty area is desirable. STAFF EXEMPT, GRADE 7.

■ **11417, Outpatient Obstetrics and Gynecology Clinic Coordinator, College of Medicine, University Hospital, Department of Obstetrics and Gynecology** — Responsible to the director of administration, Obstetrics and Gynecology, for providing leadership to patient care personnel, coordinating all patient care activities within the practice site at Penn State Community Health Center and performing a variety of clinical duties. Requires current state certification as a nurse practitioner, and three-to-four years of effective clinical and management experience. Master's degree in nursing or other related field preferred. STAFF EXEMPT, GRADE 7.

**Professor named to head management sciences institute**

Gary L. Lilien, distinguished research professor of management science, has been elected president of The Institute of Management Sciences (TIMS).

Dr. Lilien, who is also research director of The Smeal College of Business Administration's Institute for the Study of Business Markets, will head an organization of 7,000 members from some 80 countries worldwide. Participants in the 29-year-old organization include managers, educators and practicing management scientists occupying positions in business, industry, government and universities.

Among its numerous activities, TIMS sponsors professional conferences and meetings around the globe and publishes the journals *Management Science*, *Interfaces*, *Marketing Science*, *Mathematics of Operations Research*, *Information Systems Research*, *Organization Science* and *OR/MS Today*.

Dr. Lilien begins his one-year term as president in 1993. Over the next three years, he will serve on TIMS Council as president-elect, president and past president. In addition, he has been appointed area editor for industrial applications for the TIMS journal, *Marketing Science*.

Dr. Lilien joined the faculty in 1981 after teaching at MIT's Sloan School of Management for eight years. He holds three degrees in operations research, all from the School of Engineering at Columbia University.

As co-founder of the Institute for the Study of Business Markets at Penn State, he helped create the country's leading research center on non-consumer markets.



Gary L. Lilien

**INSIDE**

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August 27, 1992  
Vol. 22, No. 2

**PENNSTATE INTERCOM**

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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# INTERCOM

September 3, 1992

Volume 22, Number 3



**They're back...**Thousands of students descended on University campuses last week for the start of the fall semester. These students were photographed making a hasty retreat from a class in the Willard Building at University Park.

Photo: Greg Gieco

## Faculty/Staff Club set to begin service Sept. 14

The new Penn State Faculty/Staff Club will begin lunch service on Monday, Sept. 14, in the Penn State Room of the Nittany Lion Inn at University Park.

"We're truly excited about this new effort," Barton W. Browning, convener of the Club Implementation Committee, said.

"We've received extensive encouragement and support from the Office of the President, the Office of the Vice President for Business and Operations, the management of the Nittany Lion Inn, and the University Faculty Senate officers. We're looking forward to getting the club under way."

According to Dr. Browning, the Club will offer buffet lunches from 11:30 a.m. to 2 p.m. Monday through Friday at a price of \$5.00, including taxes, gratuity, and coffee, tea or milk. All services will be provided by professionals from the Nittany Lion Inn and Housing and Food Services.

John J. Cahir, membership co-chair, said membership is open to all staff and faculty members from all University locations as well as retirees.

"We think there is a substantial amount of interest in a club and we're encouraging all faculty, staff, and retirees to participate," he said.

The annual membership fee is \$25.00, which includes credit for two lunches. An application, together with a check or money order, payable to Penn State University, may be sent to Penn State University, Faculty/Staff Club, Housing and Food Services Building, University Park, PA 16802. For a limited time this fall, committee members will be available during lunch to answer any questions and accept membership applications and fees.

"Additional increments of \$25.00 can be added to a member's account to pur-

chase additional lunches for the member and guests," Dr. Cahir said. "The same account can be used to purchase meals at a 10 percent discount at other locations through the Penn State Diners Club."

A Penn State ID card with magnetic strip containing a Social Security number is necessary for members. Retirees not having a card can obtain one through Housing and Food Services, Services Drive.

"While our initial theme is built around inexpensive buffet lunches, we are planning to offer additional activities on various occasions in the future," Dr. Cahir said. "And a reading lounge, especially for staff and faculty based at other campuses, will be available on the third floor of the new section of the Inn."

Club officers are to be elected during the fall. Other members of the Club Implementation Committee are:

Richard Benefield, general manager, Nittany Lion Inn; George Bugyi, executive secretary, University Faculty Senate; Sandra Edwards, director of station development, WFSX-TV; Patricia Farrell, associate professor of foreign studies; Sally Kalin, associate librarian, University Libraries; William McKinnon, associate vice president for business and operations; Robert Pangborn, professor of engineering mechanics; James Purdum, manager of operations, Nittany Lion Inn.

Daniel Stieminski, financial officer, Office of the Vice President for Business and Operations; James Smith, professor of English and American studies at the Penn State Ogontz Campus and chair of the University Faculty Senate; A. J. Turgenon, professor and head of agronomy; James Wagner, vice president for business and operations; Billie Willits, assistant vice president of human resources.

## Newspaper recycling reinstated at University Park Campus

Newspaper recycling has been reinstated at the University Park Campus as a result of efforts by the Penn State Recycling Team.

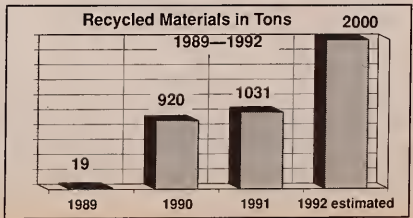
The team—made up of faculty, staff and students, and co-chaired by Rob Kampia, president of the Undergraduate Student Government, and Phillip Melnick, manager of building trades and solid waste disposal for the Office of Physical Plant, developed the recycling plan over the summer.

Effective immediately, members of the University Park community can recycle newsprint by taking it to barrels located

centrally in every building on campus. Buildings with heavier traffic, such as the HUB and Willard Building, will have more than one newspaper recycling barrel. Flyers will be distributed in the near future indicating locations of newspaper barrels in each building.

"Since a concerted effort was started to recycle materials at University Park in recent years, the results continue to show improvement in the amount of material recycled," Mr. Melnick said.

"The overall rate of recycling at Penn



See "Recycling" on Page 8

DIVERSITY

# Study abroad: Educational opportunities abound

The Office of Education Abroad Programs wants students, faculty and staff to know that its Study Abroad programs seek to offer a world of opportunities to students of all backgrounds, majors and income levels.

"Even though the OEAP celebrates its 30th anniversary of Study Abroad Programs at Penn State this fall, offers scholarships to minorities, and has programs in 17 countries and Puerto Rico, many students don't seem to take advantage," says Margo Groff, assistant director, Programs Support Services, Office of Educational Abroad Programs. "We think it's because, for various reasons, many don't consider the advantages of studying in another country."

To pass the word, the office has, as one of its staff, a promotions assistant who makes a particular effort to attract students of color as well as work with University Park and Commonwealth Educational System faculty and staff to help recruit students.

"The advantages of studying at a university in another country are many," Ms. Groff says. "It helps

build maturity and independence; teaches students about other cultures; stands out with potential employers, and is an unforgettable learning experience. In addition, participating in a one-semester or one-year program fulfills Penn State's cultural diver-

***"The advantages of studying at a university in another country are many ... it helps build maturity and independence ... and teaches students about other cultures."***

Margo Groff  
assistant director

sity requirement as well as other academic requirements for many majors."

But despite the advantages, she suspects that many students pass up study abroad opportunities because they don't consider it a serious possibility or because they learned about the program too late in

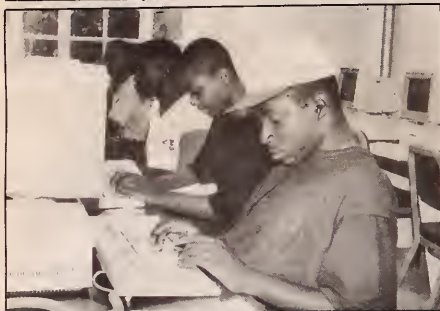
their college career.

"We have a goal of getting 20 percent of each graduating class to have participated in a study abroad experience. That means we want to make sure that every mature full-time student in good academic standing can participate if he or she wants to."

This year Penn State is sending a record number of nearly 600 students to colleges and universities abroad. While several were from underrepresented groups, Study Abroad officials hope to send more diverse students. Establishing need-based scholarships with Equal Opportunity Planning Committee funds has helped, according to Ms. Groff. OEAP has been offering minority scholarships for the last five years and was able to award 25 scholarships this year.

"We have a wide variety of programs all over the world which provide a great number of opportunities for Penn State students. We want to be sure to pass those opportunities around," Ms. Groff adds.

## Mont Alto Campus



Students practice computer skills in a class taught by David Wellman during Mont Alto's recent Summer Adventures in Learning for Minority Students.

## Students introduced to advantages of higher education

Seven of the 28 students who attended Penn State Mont Alto's Summer Adventures in Learning for Minority Students in July are veterans of the program, now in its second year.

Funded through a Penn State Equal Opportunity Program Committee grant, the Adventures in Learning program is designed to introduce seventh- and eighth-grade students to the advantages of higher education, according to Ronald Keiper, director of academic affairs at the campus.

The students' week at the campus included classroom study with Mont Alto Campus faculty members — Richard Adamec, engineering; David Wellman, computer programming and Margaret Galligan, marketing — and a workshop on study skills with Norene Moskalski and Donna Weber, both from the campus' Learning Center.

Each afternoon, community representatives, including the Rev. Larry Johnson of Chambersburg, a military representative from Fort Ritchie, Md., and Adrienne Carlton, a recent graduate of Wilson College, Chambersburg, offered presentations on the value of higher education and career choices.

"Summer Adventures in Learning for Minority Students stresses both content and academic skill and underscores the career and life advantages of higher education," Dr. Keiper said. "We hope to turn students on to the idea of higher education while they have the opportunity to prepare for college through their high school courses."

## Multicultural traditions come to life at Ag Progress Days

Three groups of Pennsylvania youth from the Harrisburg Area 4-H Theatre Arts Program recently entertained crowds at the 1992 Ag Progress Days with traditional cultural dances and music. The group was invited to Ag Progress Days by Helen Riley, an extension agent for Dauphin County, in an effort to help visitors to the event understand and appreciate the various cultural heritages of people from across the state.



Photos: Greg Grieco





## Dr. Thomas and University recognized for gender equity goals

The National Association of Collegiate Women Athletic Administrators has recognized President Thomas and the University as a "NACWAA Notable."

Dr. Thomas was cited "for demonstrating a commitment to gender-fair principles in athletics and higher education and for respecting the dignity of women."

"Our Board of directors pays tribute to you and other members of the Big Ten Conference for

becoming the first conference to pass a resolution calling upon conference members to establish gender equity goals," said Chris Voelz, NACWAA president and director of women's athletics at the University of Minnesota.

"This exemplary effort in promoting equity for women will set a precedent nationwide for other conferences to strive for gender equity resolution. The NACWAA salutes your courage to put the ethics of humankind above the pressures of the

"business" of athletics."

The "NACWAA Notable" is an honor recently instituted by the association. In accord with its role as an advocacy group for gender-fair practices in athletics and higher education, the NACWAA recognizes individuals and groups involved in athletics who actively exhibit a fundamental belief in sex equity and the expansion of opportunities for women in all aspects of sport.

### FACULTY / STAFF ALERTS

#### Courses for Faculty and Staff

The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

**Coping Strategies II** will continue discussions on strategies, experiences, and skills to maintain your cultural identity and achieve a level of success at Penn State. Meets on Thursday, Sept. 10, from 1:30 to 5 p.m.; cost: none.

**An Overview of Continuous Quality Improvement** will cover CQI theory and conceptual framework; definition of roles and responsibilities of sponsor, leader, facilitator, and team members, and an introduction to the CQI problem-solving model. Meets on Wednesday, Sept. 23, from 1:30 to 4:45 p.m.; cost: none.

**Process Concept For CQI covers:** defining processes; examining supplier-customer relationships; and determining measurable performance indicators. Meets on Friday, Sept. 25, from 8:15 a.m. to noon; cost: none.

**Structured Problem-Solving for CQI** Learn a systems approach to team-oriented problem-solving. Topics include: cause and effect analysis; root-cause analysis; and Pareto analysis. Meets on Friday, Sept. 25, from 1:15 to 5 p.m.; cost: none.

**Using the Report Management and Distribution System (RMDS)** designed to show you how to use RMDS to reduce or eliminate the problems and costs associated with printing, storing, and distributing large quantities of report data. Must have a user ID and password for an Office of Administrative Systems mainframe system. Meets on Wednesday, Sept. 23, from 9 a.m. to noon; cost: \$40.

**Introduction to DOS—IBM** an introduction to the use of DOS (Disk Operating System), will teach you about setting up your environment and working with basic DOS commands. Meets on Wednesday, Sept. 23, from 1 to 5 p.m.; cost: \$20.

**Using EMC2/TAO—IBM** Get acquainted with EMC2/TAO, the electronic mail system supported by the Office of Administrative Systems. Learn the user program function (PF) keys to create, read, answer, file, edit or forward a message to another user. User must have an EMC2/TAO account. Meets on Friday, Sept. 25, from 1 to 4 p.m.; cost: \$40.

**Introduction to Windows 3.0** Windows 3.0 is a graphical computing environment for DOS based computer systems. Topics: using a

mouse; understanding and using icons; manipulating files and sub-directories using file manager, and running multiple applications. Meets on Friday, Sept. 25, from 8 a.m. to noon; cost: \$70.

#### Payroll direct deposit expands

In an effort to better serve employees, the Payroll Office announces that it is now able to directly deposit an employee's paycheck into any one of more than 26,000 financial institutions nationwide. Direct deposit of paychecks previously had been possible to approximately 300 Pennsylvania banks.

Direct deposit of a paycheck is available to any person who regularly receives a paycheck, whether he or she is a part-time or full-time employee, student or staff, salaried or hourly employee.

Direct deposit provides many benefits to employees. With direct deposit, employees do not have to pick up their paycheck on payday as it is deposited for them into the bank and account of their choosing. As a result, special arrangements do not have to be made for vacations. There are no lines to stand in either at Shields building or the bank. In the event of a transfer problem, the banking industry's a rule, usually guarantees their customer's funds, which protects against overdrafts.

Many financial institutions show a preference to customers who exercise the direct deposit of their paychecks, as it saves a lot of man-hours for them. Some banks even offer incentives for using direct deposit.

If you have questions about, or would like to begin direct deposit, contact the Payroll Office either in person or by phone for the forms needed to initiate direct deposit. Forms also are available in the Office of the Bursar at the Payroll window, or from your Human Resource Representative. If at any time you decide to discontinue the direct deposit of your pay, all you need to do is notify Payroll.

#### Smoking cessation program

The semester's first American Cancer Society FreshStart smoking cessation program, sponsored by the Faculty/Staff Health Promotion Office, will begin Tuesday, Sept. 8. The program consists of four sessions (Sept. 8, 10, 15 and 17) which will address smoking as a chemical addiction, a habit, and a psychological dependency and will help prepare the participant for the quitting process.

All sessions will be held in 114 Business Services Building from 12:30 to 2 p.m. The program is free. To register, call the Faculty/Staff Health Promotion Office at 865-3085. For information about the staff shuttle service to the Business Services Building, call Fleet Operations at 865-0164.

### Earth and Mineral Sciences

## Alumni fellows to visit University Park

Two Earth and Mineral Sciences alumni will visit University Park on Friday, Sept. 11, to meet with students and faculty members and to receive the Alumni Fellow Award at the college's annual Obelisk Dinner.

They are Richard H. Matzke, vice president of Chevron Corporation and president of Chevron Overseas Petroleum, and Thomas H. Wentzler, senior vice president of Tetra Technologies, Woodlands, Texas.

Mr. Matzke will speak on "How Present Day Realities in the Petroleum Industry will Impact Future Operations" at 1:30 p.m. in Room 112, Walker Building. Mr. Wentzler will speak on "Processing Technologies in Environmental Cleanup" at 3:30 p.m. in Room 301, Steidle Building.

Richard Matzke leads Chevron's international oil and gas exploration and production company, which has interests in more than 30 countries and employs around 5,000 people worldwide. The daily overall production for Chevron Overseas is around 450,000 barrels of oil and 250 million cubic feet of natural gas.

After receiving his M.S. degree in geology from Penn State in 1961, Mr. Matzke joined Chevron in Louisiana as a geologist. He advanced through positions of responsibility in the company's geology, economics, research, and corporate planning departments, and in 1976 was named assistant to the president. In 1976, he was elected vice president and general manager of the Ortho Fertilizer Division of Chevron Chemical Company, and was named general manager of foreign operations staff and director of Caltex Pacific Indonesia in 1982. In 1986, he became director and president of Chevron Canada Resources Limited, an oil and gas exploration and production subsidiary of Chevron Corporation, headquartered in Calgary, Alberta. He assumed his current position in 1989.

In addition to his master's degree from Penn State, Mr. Matzke holds a B.S. in geology from Iowa State University, and M.B.A. from St. Mary's College, California. He is a member of the American Institute of Professional Geologists and the American Association of Petroleum Geologists.

Thomas H. Wentzler is senior vice president of Tetra Technologies Inc., a leader in the recycling of chemical and metal byproducts and wastes. Tetra is the largest company in the petroleum industry's completion fluids business worldwide, and a leader in the design and construction of waste treatment facilities for industrial and municipal applications. A co-founder of Tetra Resources in 1981, he served as company president. He became senior vice president of the expanded company, Tetra Technologies in 1987. He previously was an engineer with Dow Chemical in Michigan, where he worked in product development and management and business planning. In 1979 he transferred to Houston to head Dow's marketing effort for inorganic chloride and bromide products.

At Penn State, Mr. Wentzler received his B.S. in mineral preparation engineering in 1969 and M.S. in mineral processing in 1971. He also received an M.B.A. from the University of Michigan, Ann Arbor. He holds a U.S. patent for a wastewater treatment process and is the author of a number of publications.

In 1989, Tom and Kathleen Wentzler established the Bruce Miller Scholarship for students in the College of Earth and Mineral Sciences, named in honor of the former principal of Montoursville High School, Williamsport, PA. The Wentzlers are members of the Obelisk Society, an organization of the college's major benefactors.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is the most prestigious of the association's awards. It is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow a permanent and lifelong.



## The Art of Teaching

*Editor's note: This article is part of a continuing series of essays by University faculty members on "The Art of Teaching."*

by Roy C. Buck, professor emeritus of sociology and social science

### Introduction

Three interrelated changes account for much of the emerging character of contemporary higher education. Continued growth in size, breadth and complexity of mission has shifted the metaphor from the university as a house of intellect to a highly rationalized "credit delivery and academic and social services mall." "Multiversity" surfaced for a short time in the seventies as a metaphor designed to deok these changes in traditional university culture and lore. Not much is said or written about the multiversity in recent years.

Because universities and colleges produce their own

***"Quite a few students, possibly a majority, have a "filling station" view of the University. They pull along side in the fall and for all intents and purposes say "fill 'er up."***

personnel replacements, it is not surprising to witness an erosion of such time-honored images as "community of scholars", "house of intellect", "liberal learning", and indeed love of learning. The contemporary university demands a near-frantic pace on the part of faculty and administrators. Life centers on professional recognition and corporate advancement. More often than not little value is placed upon recognized status and prestige beyond one's field of expertise. Thus a unique academic provincialism settles over the faculty and administration. Specialized information and technical expertise increasingly compete with wonder, ideas, a sensitive cosmopolitanism and an open and questioning mind-set as the mark of the academic worker.

Faculty and administrators, especially those under fifty, are for the most part information rich and experience poor. While presidents and deans often espouse the value of liberal learning at ceremonies, contemporary academic personnel sometimes project an image of quiet naiveness concerning daily workings of the market, industry, government, family, school, art, church and politics albeit they may be storehouses of data on these topics. It is perhaps not unexpected that universities turn out graduates who often are information rich and experience poor. We teachers take a certain satisfaction in turning out graduates in our own image.

### Student as consumer

The mall motif and mentality may be attributed in large part to popular changes in the image and role of the university in modern life. I conclude that our sense of selfhood and well-being are, for the most part, defined by what we consume rather than what we produce. I suspect this is especially true for those under thirty. It follows that, in order to meet popular expectations, universities redefine and adapt mission and program in line with values shaped by consumerism. I suspect consumerism more than any other popular value orientation grounds emerging content and style of courses of study and overall curriculum management. To be sure this is not university intention or strategy. Students

## Thoughts on Teaching and Learning: A "Rocking Chair" View



Roy C. Buck

Photo: Greg Grieco

more so than we sometimes appreciate redefine and bend the best of academic resolve to fit their working values.

Quite a few students, possibly a majority, it would appear, have a "filling station" view of the University. They pull along side in the fall and for all intents and purpose say "fill 'er up." And we set into motion a vast credit delivery and service enterprise designed to do just that—fill 'er up!

To meet consumer demand and increasing attention to efficiency, teaching and teachers have had to forsake much classical scholarly tradition and lore. Emphasis shifts from understanding to simply knowing, from seeing to merely looking. There is often neither the time nor indeed the will to advance the intellectual interconnectedness of these polarities. The teacher-student relationship almost of necessity takes on an impersonal clinical style regardless of size of class or level of course offering.

Of course, teachers and students may chat informally and play Friday-afternoon happy hour games. The market for serious yet intellectually playful dialogue is likely to be minimal on either side of the relationship. It may indeed be more than a market problem. The vocabulary, rhetoric and semantics of consumerism simply cannot deal with productivity as a self-defining phenomenon. The teaching-learning relationship is at its best when there is a language of dialogue centering on exploration, experimentation, mutual respect and trust. Moreover in the productive orientation there is a strong motivation for participation in a community not as passive consumer—observer but as an active contributor to the fund of knowledge and/or the state of the art.

Certainly information is a prime ingredient in education. In these times a life worth living must not only be examined, it must be informed. As suggested earlier, it is not a question of choosing between information and experience. Nor is it one of choosing between consumption and production as self-shaping forces. Teaching and learning at their best bring all four perspectives into play.

If teaching is to be more than informing, more than technique, it somehow must bring students and instructors into open and shared pondering of the material at hand. In this day of sound bites, speed reading and generalized value placed upon quickness and instant response, pondering for many is neither known nor

understood. Pondering requires a slowing of mental processes. Ideas are milled over, evaluated and sorted. Instructors and students advance on an intellectual pilgrimage together, frequently unaware of passage of time and status differences. Lost in their work, that under ideal conditions, moves on to the highest form of play—intellectual play, they experience the joy of learning, a sometimes rare event in the contemporary classroom.

There will be those who claim my observations to be myopic, the ruminations of an out-of-touch sophomore retiree. I admit that for every generalization there are no doubt many exceptions. Goodness, I hope so! But I

***"If teaching is to be more than informing, more than technique, it somehow must bring students and instructors into open and shared pondering of the material at hand."***

defend the points made thus far as at worst vaguely relevant. I have always maintained that it is better to be vaguely right than precisely wrong. My purpose here is to call attention to the need for increased awareness and understanding of classroom culture and social structure as well as the wider context of Main Street popular culture and organization. Rediscovery of Town and Gown, and their cultural entanglements is where the quest for educational renewal begins.

### After 32-years: Starting Over

When I retired in May of 1981 I decided it would be instructive as well as fun to test out a few of these hunches and hypotheses. They had been eddying around in my mind for several years. Accordingly I volunteered to teach Sociology 187, a Liberal Arts teaching a somewhat experimental course would give me the freedom to have a little fun and perhaps learn something for myself, as well as help a group of freshmen get off to a good start. I named the

# Art of Teaching

Continued from Page 4

course The Small Community in Comparative Perspective.

We examined Amish culture and life-style in some detail. Students were asked to use the major ethnographic categories in the literature on the Amish in constructing an ethnography of dormitory culture and life style. Each student selected one aspect of dormitory life to be studied in depth and detail. Additionally we had a session to oral and written communication having to do with community and communal living. There was an all-day field trip to a nearby Amish community. Students prepared four papers during the semester. The first two papers emphasized library research and analysis of personal experience with community-like behavior. Papers three and four were "field studies," with the latter one being the "big one" on dormitory culture.

Throughout the semester I emphasized quality of written and oral performances, class attendance and participation. At all times students knew where they stood with me as well as in relation to each other. Needless to say it took a little doing to attain comfort and confidence with course procedures. When students finally concluded around mid-October that there was no game going on and that Buck was for real, the class began to take on the character of a valid learning community. Experience and productivity became increasingly normative and appreciated. In addition to taking notes on what had to say, they began to write when class members reported observations and findings from the literature, field and personal experience.

For the most part students felt good about what was going on. For many it was the first time since first or second grade that they were proud of their work. There was even some talk of exhibiting A papers on refrigerator doors! I suspect the work habits needed to deal successfully with Soc 187 carried over to other courses. There were students on the Honor Roll each of the eleven years I taught the seminar. One semester there were seven out of the twenty enrolled. In my judgment, not bad for first-semester run-of-mill freshman.

I don't know what would be an optimum class size to achieve in some measure the suggested educational outcomes. I'd hesitate to take on more than forty students per class and probably only two classes a semester. You're right! That puts me in "la la land!" (Dick Vitale, the basketball guru, is acknowledged for this rich description of someone who is a bit of an air head.) We probably should limit big introductory courses to information and technique. Be sure students schedule courses emphasizing learning and productivity each semester so that early on they get accustomed to being actively involved in their own education. The University can do a satisfactory job of information transfer. Learning, on the other hand is ultimately a student responsibility. The University is at its best when it meets the essential criteria of a learning community—where faculty and students work together to explore ideas and solve problems of timeless as well as immediate concern and interest.

## Closing Comment

There is a market dimension to research that is at most minimal in the case of teaching. Scholarly publication opens one to professional and collegial critique, acceptance and rejection in ways that simply are not present in teaching. Classrooms are private and shrouded in the traditional lore of academic freedom. The traditions of privacy and freedom make peer observation, review and evaluation awkward. Student course and instructor evaluation has come on the scene in recent years as a rather anemic effort to generate information on the quality of teaching performances. Few of these efforts have been examined systematically for validity and reliability. They are at best

tom popularity polls dressed up with technical format and professional jargon.

I have often said that if we teachers had to put our classroom performances on public display in the way athletic coaches do there would be ranting and rancor galore. A couple years ago I had an advisee call me at home to inquire whether professor so and so was a real a—h—, it so happened that the professor was a member of my department. I demurred a bit but could not get a total ignorance. Finally I agreed to help the student obtain a late course drop. In teaching, much more so than in research, the traditional "colleague" rule remains alive: "If you don't tell on me, I won't tell on you."

I doubt that we should expect the quantity of excellence to be any greater in teaching than research. Excellence by definition is a scarce commodity. As suggested, in the case of research we have ways of knowing who the live faculty are and as a rule we do not cover for each other's research lassitude. There does seem to be some tendency to assign more teaching responsibility to those who can't or won't cut it with research. Has anyone ever heard of a lousy teacher being loaded up with research funding and release time?

At this time I doubt that we have any way of estimating how many top teachers the University should have. The normal distribution curve would suggest approximately 17,000 given the size of the faculty. It would also likely be that many real losers. And the rest of us plug along doing a fairly good job. This is not to say that we should resign ourselves to a genteel and comfortable mediocrity. Every effort needs to be made to move our teaching quality curve toward excellence.

We are apt to forget that while it is possible to achieve a good or even excellent education at Penn State, it is not required. Graduation certification is based upon passing the proper number of credits distributed in the proper course-of-study slots together with the required grade-point average. Transcripts tell us about student effort and course exposure. It takes something of an "interpretive leap" to conclude learning and quality of learning from transcript data.

It may be that the best we can do is provide a learning environment where students, should they so desire, engage in creative learning and the clustering of wisdom. When I all said and done the time-worn shibboleth "You can lead horses to water, but you can't make them drink" holds more than a little truth content in the face of the issues and dilemmas outlined.

I have no easy solutions. Given our state of the knowledge, I doubt that in-service workshops and "how-to-teach" symposia will be of much help. I wish I could close these ruminations on a more upbeat note. It all said and done, unaltered wisdom our family's hired man shared with us during the drought of the thirties: "I just thank the Good Lord things are as bad as they are. They could be a whole lot worse." Talk about positive spin!

Sixty years ago Willard Waller, then professor of sociology at Penn State, wrote *The Sociology of Teaching*. Now considered a classic sociology work as well as a sociology of education, Waller's work may be the place to begin should there be interest in initiating further explorations in classroom ethnography, culture, and social organization. In the meantime it may be useful to convene an informal faculty-student seminar to consider teaching-learning culture and organization and related matters. Should there be interest, leave a message with the Sociology Department, 206 Oswald Tower (863-4211) or not teaching this fall and will be willing to act as convener or whatever.

## University hosts Humphrey Fellows

The Graduate School of Public Policy and Administration has received a grant from the United States Information Agency to host Hubert H. Humphrey Fellows for the 1992-93 academic year. Syedur Rahman, assistant professor of public administration, and Robert D. Lee Jr., head and professor of public administration, are co-directors for the program.

The Hubert H. Humphrey North-South Fellowship Program brings accomplished midcareer professionals from developing countries to the United States for one year of advanced study and professional, work-related experiences.

The Humphrey Fellows will participate in a non-degree program of seminars and professional assignments with local units of government and public service organizations. The program's emphasis is the direct observation of and participation in democratic forms of decision-making and governance.

This year's fellows are from Benin, China, Guinea, Guyana, Korea, Maldives, Mozambique, Sri Lanka, Suriname, Tanzania and Zimbabwe.

The Colleges of Agricultural Sciences, Education, Health and Human Development, and the Liberal Arts, and the Office of International Programs are cooperating in the program.

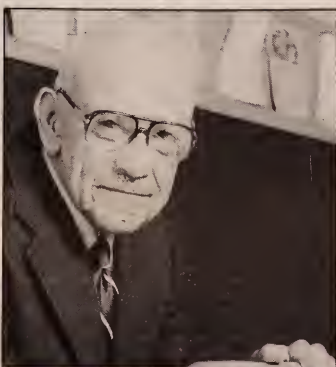


Photo: Greg Grieco

**"The University can do a satisfactory job of information transfer. Learning, on the other hand, is ultimately a student responsibility."**

## Hershey 1992 Alumni Fellow to visit Sept. 18

Dale C. Snover will visit The Milton S. Hershey Medical Center as its 1992 Alumni Fellow. A 1977 College of Medicine graduate, he will speak at the College's annual convocation ceremony on Friday, Sept. 18.

Dr. Snover is director of anatomic pathology and professor in the Department of Laboratory Medicine and Pathology at the University of Minnesota Medical School.

His major academic achievements are related to the study of transplantation pathology. His work led to an invitation to participate in a newly formed group, the International Group for Study of Liver Disease, which first met in London, England, in July, 1980.

Dr. Snover was an organizing member of the Association of Directors of Anatomic and Surgical Pathology and subsequently was elected to serve two consecutive terms on the governing council of the association.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is the most prestigious of the association's awards. It is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

APPOINTMENTS

Pamela Kifer Adams and Candace Davison have been named College of Engineering Administrative Fellows.

During her six-month fellowship, Ms. Adams, staff assistant for the College's Leonard Center, will work in the dean's office with John Shawyer, financial administrative services officer, and George McMurtry, associate dean for administration and planning.



Pamela Kifer Adams

A graduate of Bradford Business School in University Park, she began her University career in 1981 as a bookkeeper with the Department of Materials Science and Engineering.

Ms. Adams joined the Architectural Engineering Department in 1982 as a receptionist/bookkeeper. She was named department head secretary in 1986 and to her current position in July.

Ms. Davison, a licensed senior reactor operator for Penn State's TRIGA Mark III Reactor, also coordinates projects and workshops for university and secondary science educators and/or students.

A graduate of Grove City College with a bachelor's degree in chemical engineering, she has taken graduate courses in nuclear engineering at Penn State.

Ms. Davison is a founding coordinating council member of the Professional Women of Penn State. She also is president of the American Nuclear Science Teachers Association and chairs that group's Nuclear Science Textbook Development Committee.

As an Administrative Fellow, she will work primarily on the enhancement of undergraduate engineering education in the Leonard Center as well as work in the office of Michael Reischman, associate dean for graduate studies and research.

The Administrative Fellow program was established to offer outstanding staff of the College of Engineering career development opportunities.

Joseph S. DiGregorio, associate dean for commonwealth and continuing education and international programs in the College of Engineering, has been appointed chair of the International Council for the 1992-93 academic year.

The International Council provides advice and guidance in international matters to the University's senior administration, and links the University's Office of International Programs with the Office of the President.

Its members represent major units of the University, including the colleges and schools, Commonwealth Educational System, Division of Continuing Education, University Libraries, Graduate School, Graduate Student Association, Undergraduate Student Government, and International Student Council.

Under Dr. DiGregorio's leadership, the International Council will deal with such issues as providing an international experience for 20 percent of the University's undergraduates; increasing international activities for graduate students and faculty;

internationalizing the curriculum, including international activities in faculty tenure and promotion considerations; improving the climate for internationals, and producing a University-wide strategic plan for international activities.

In the College of Engineering, Dr. DiGregorio is responsible for international programs and activities related to student exchanges, study abroad, and continuing education. He recently coordinated the development of new simultaneous degree programs in "Engineering and French" and "Engineering and German" for undergraduate engineering students. Dr. DiGregorio has represented the College on the International Council since 1990.



Joseph S. DiGregorio

Two appointments and several other changes have been announced by William Asbury, vice president for student services, and Robert Dunham, senior vice president and dean of the Commonwealth Educational System.

J. Thomas Eakin has assumed new duties as assistant vice president for campus student affairs. In this position, Dr. Eakin, formerly assistant vice president for Student Programs, a division of Student Services at University Park, will provide leadership and planning support for student affairs functions at the campuses of the Commonwealth Educational System, Penn State Erie, and Penn State Harrisburg.

Dr. Dunham has asked Kenneth Varcoe, assistant vice president in CES, to coordinate system-wide activities in the CES central office related to strategic and enrollment planning, continuous quality improvement, and program review.

"These responsibilities will not permit Dr. Varcoe time for his former student affairs activities and past liaison with Student Services," Dr. Dunham said. "Although Dr. Varcoe will not be working in the student affairs area, other resources formerly committed to these functions will be applied."

Dr. Asbury noted that Dr. Eakin's new assignment strengthens Penn State's commitment to student affairs activities at all locations. "In that regard," he said, "the move fits with our strategic initiatives which call for better planning and communication among our student affairs professionals."

In the past, Dr. Eakin and his staff have worked with CES, Penn State Erie, and Harrisburg personnel to develop effective programs. "As we prepare to serve the Commonwealth in a time of diminishing resources," he said, "we must develop new visions

and support for the fine people at all locations."

Units currently under Dr. Eakin will be reassigned while current strategic planning is underway. Units of Student Programs will be divided between Melvyn Klein, senior director for student programs, and Thomas Poole, director of student activities and religious affairs.

Administrative assistant Anita Helton and staff assistant Jennifer Gabrovsek will join the new team. John Murphy and Lella Moore will serve part-time. Mr. Murphy is director of student programs and services at the Wilkes-Barre Campus and currently is on special assignment at University Park. Dr. Moore is director of program development for Student Programs and affiliate associate professor of counselor education.

George B. Kleindorfer, professor of quantitative business analysis, has been named chair of the Department of Management Science and Information Systems in The Smear College of Business Administration.

He succeeds J. Keith Ord, professor of statistics and holder of the David H. McKinley Executive Education Professorship of Business Administration, who will continue to teach and pursue research interests.

Dr. Kleindorfer received the 1991 Penn State Teaching Fellow Award and, in 1990, was honored with the J. Fred Brand Jr. Award at The Smear College's outstanding student adviser. In 1988, he was recognized for teaching excellence with the AMOCO Foundation Award.

He is credited with developing Penn State's undergraduate and graduate courses in management simulation. In addition, he collaborated in creating a graduate-level business course in the philosophy of science that is believed to be the first of its type in the nation. Dr. Kleindorfer also has taught in the Science, Technology and Society Program and in the humanities for the College of the Liberal Arts.

He has been a member of the University faculty for more than 17 years, having previously taught at the University of California-Riverside, the University of California-Berkeley and Howard University.

Robert W. Surridge, has been promoted to assistant provost for community outreach/economic development at Penn State Harrisburg.

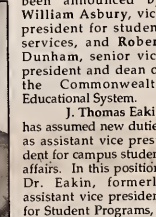
A member of the college staff for 16 years, he will identify, coordinate, and foster the extension of teaching, research and public service in conjunction with local and state institutions. In addition to his new duties, he retains the position of instructor in planning in the College's Division of Public Affairs.

Previously, he has served as the College's special assistant to the associate provost and dean of the faculty, and acting director and planning analyst for the Institute of State and Regional Affairs.

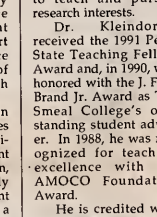
He has been a member of the Academic Council, Administrative Council and the Enrollment Management and Strategic Planning Committee. His community service involves membership on the Council for Public Education, Pennsylvania Economic Development Association, Central Pennsylvania Technology Council, Economic Development Committee for the Capital Region Chamber of Commerce, and the Marketing Committee for the Capital Region Economic Development Corporation.



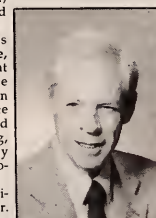
J. Thomas Eakin



Robert Dunham



George B. Kleindorfer



Kenneth Varcoe

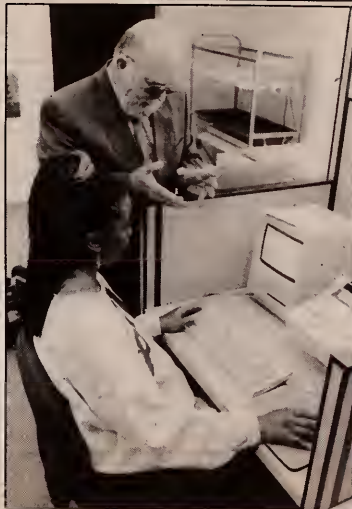
## Highlight on Undergraduate Education

Thanks to a new computer file that organizes and describes almost 500 national and international internships, students in the College of Agricultural Sciences can search for the internship they feel best suits their personal and academic needs.

"In the past, we'd publicize job availability through counseling sessions, putting notices on bulletin boards or passing out flyers in class," said James E. Diamond, assistant professor of agricultural extension and coordinator of the college's internship programs.

"We had all this information in big stacks of paper in each of the departments. Although this system may have seemed effective, it's possible that some students were not sure of all their options in the internship program," he added.

"Now our undergraduates can access computers that feature our new database," he said. "Across the college's 20 undergraduate programs, the database currently contains details on 476 summer internships offered by private corporations and government offices in the U.S. and abroad."



**James Diamond**, coordinator for internship programs for the College of Agricultural Sciences, lends a hand to Cassandra A. Logan, a junior from Harrisburg. Photo: Courtesy of Agricultural Information

According to Dr. Diamond, a wide range of positions are available in research, production and marketing throughout the agricultural industry.

Students can review the internship file on a personal computer in the new Agricultural Sciences and Industry Building's Learning Resource Center. Copies of the file also have been provided to Penn State's agriculture sorority and four fraternities.

"Students just type their academic discipline into the computer, and the program displays all the information for internships they are qualified to apply for," he explained.

Besides providing the name and address of each sponsor, Dr. Diamond said the database gives students a point of contact, the person's phone number, wage information and a specific job description.

While many of the internships are offered by U.S. companies, there are opportunities worldwide.

"I've had students work for agriculture ministries in Haiti and the Republic of Mali," Dr. Diamond said.

## Fee for parking during home games

This fall the University will begin charging a fee for parking during home football games in certain campus parking lots.

"The area bounded by Shortlidge Road, Bigler Road, Park Avenue and Pollock Road, plus the Orange D parking lot behind Wagner building are the lots involved. Student resident parking Lot 80 is not included in the reserved area," Bruce Kline, director of university parking, said.

"Valid staff, student, events and visitor permits will be honored with no additional charge. All valid permits from campuses other than University Park also will be honored with no additional fee levied. None of those permits are valid for parking at Beaver Stadium."

Also included in the new events parking program are Performing Arts Events at Eisenhower and Schwab Auditoriums and athletic events at Recreation Building as well as other locations.

The new extended reserved evening parking in the central area of campus was expanded recently to help faculty, staff and students who have bought legitimate permits but who could not find parking in the evening for classes or labs because people without permits were taking the spaces.

Normal restrictions such as no parking areas and handicapped parking areas will not change in any lot.

For more information, contact the parking office at (814) 865-1436.

## APPOINTMENTS

Lorraine A. Cavallere has been appointed director of continuing education at Penn State Great Valley. She will have overall responsibility for professional development courses and seminars, contract training programs and professional conference facilities at the University's regional center for graduate and continuing professional education in Malvern.

Dr. Cavallere brings more than 20 years of teaching and administrative experience to the position within both basic and higher education. Most recently she served as director of continuing studies at Rutgers University, where she was responsible for continuing education program development and operations for the New Brunswick campus.

Dr. Cavallere has served as a consultant to government, business and education agencies in the area of adult learning and program development and is the author of numerous publications and papers in the field. Her most recent published work is a coedited sourcebook on learning for personal development.

She earned her doctor of education in administration, supervision and adult education from Rutgers University. She holds a master of education in education and reading and a B.A. in education and English from Trenton State College.



**Lorraine A. Cavallere**

Tona Henderson has joined the University Libraries as

business librarian. She is responsible for reference service, collection development, library instruction, and database searching.

Prior to joining the Libraries, Ms. Henderson was a teaching assistant at the University of Missouri's Ellis Library; a private management consultant in Columbia, Mo., and a marketing director for Tiger Kensington Retirement Center, also in Columbia.

She is a member of the Special Libraries Association and recently received the Conference Award from the Information Technology Division. She also holds membership in the American Libraries Association.

Ms. Henderson received the Superior Graduate Achievement Award for 1991-92 from the University of Missouri's Graduate School where she earned a master of arts degree in library science and a master of science in health services management. She earned her undergraduate degree in recreation from the Southwest Missouri State University in Springfield.

Wayne J. Sebastianelli has been named director of athletic medicine at the Center for Sports Medicine.

He will coordinate the team physicians, nurses and athletic trainers who provide health care for Penn State's student athletes, as well as the Sports Medicine Clinic, which will provide sports medicine services to the entire University population.

Prior to his appointment, Dr. Sebastianelli was an assistant professor of orthopaedics at the University of Rochester School of Medicine in Rochester, N.Y. He also was affiliated with Strong Memorial Hospital and Monroe Community Hospital. At the University of Rochester, he served as the team physician.

He also was the team physician and orthopaedic surgeon for the Rochester American professional hockey team in the American Hockey League, and for the Rochester Red Wing professional baseball team.

In his career, Dr. Sebastianelli has served as assistant team physician for Penn State athletics, Hershey Bears



**Wayne J. Sebastianelli**

Hockey Club and Hershey Impact Indoor Soccer Club, and has been the orthopaedic consultant for activities such as Pennsylvania's Summer Junior Olympics and Pennsylvania Big 33 Football Classic.

Certified by the American Board of Orthopaedic Surgery and the American Orthopaedic Society — Sports Medicine, he is licensed to practice medicine and surgery in New York and Pennsylvania.

A native of Peckville, Pa., Dr. Sebastianelli received an A.B. degree with high honors and an M.D. with honors, both from the University of Rochester. He completed his internship and orthopaedic residency at the University of Rochester and was a clinical instructor and orthopaedic sports medicine fellow at the Hershey Medical Center.

His research interests include the study of the treatment of knees and ankles of athletes, stress fractures, the tibia, and the epidemiology of injuries in intercollegiate athletics.

The Center for Sports Medicine is a joint effort of the College of Health and Human Development, the College of Medicine and the Intercollegiate Athletics. It provides medical services for approximately 1,000 student-athletes on Penn State's intercollegiate sports teams, conducts major research programs on sports conditioning, sports performance and the role of exercise in injury prevention and rehabilitation, and provides continuing education in sports medicine for health care professionals.

NEWS IN BRIEF

**Meat sales**

Penn State Meats Lab will begin its fall meat sales schedule on Friday, Sept. 4, and continue each Friday thereafter through Dec. 18. Meat is sold weekly on Friday between 1:30 and 4 p.m. There usually is a good selection of beef, pork, and lamb cuts, as well as processed items such as summer sausage, regular sausage, hot sausage, scrapple, cured ham and bacon.

The Meats Lab is located in a white building directly across the road from Beaver Stadium. For more information, call the Meats Lab at 865-1787.

**International Lecture Series**

The University's International Lecture Series features two speakers on one of the most successful programs of the Midwest Universities Consortium for International Activities (MUCIA) at 9:30 a.m. Thursday, Sept. 10, in 222 Boucke at University Park.

The ITM/MUCIA Cooperative Program situated at Indiana University's Shah Alam campus in Malaysia, is a two-year undergraduate program that offers Indiana University courses to ethnic Malay students.

Indiana University's Timothy Diemer and Roxana Ma Newman will provide an overview of the program, including visual illustrations and descriptions of short-term teaching assignments in various disciplines. All interested faculty and staff are invited to attend.

**Research subjects sought**

Ute Bayen, a graduate student in human development and family studies, is seeking adults age 60 and over for a study about the way people think about and respond to information.

Participants will listen to a detective story and later answer some written questions about it. Individual performance is not important; instead, Ms. Bayen is interested in how people generally process information.

The one-hour session will take place in Moore Building at University Park; each participant will receive \$10.00. For more information, call 862-9004.

**Bowling league**

The University Faculty/Saff Bowling League is open to new members. Bowling begins at 6:30 p.m. on Wednesday at a cost of

approximately \$5.00 per night.

Weekly and annual prizes are awarded. Men, women and mixed teams—with four to a team—are welcome. Call Tim Benner at 865-0757 for more information.

**Adult learner services**

The Center for Adult Learner Services at University Park is offering several programs for adult learners.

A "Financial Planning Seminar Series," presented by Jim Fay, financial planner, and Ed Messersmith, financial consultant, will be held at 6 p.m. Tuesday, Sept. 8, in 329 Boucke Building. A program on "How to Apply to Graduate School," presented by Claire Usher, assistant director of the center, will be held at noon Wednesday, Sept. 9, in 101A Kern Building.

A program on use of Pattee Library titled "Penn State Uncover for Adult Learners," will be presented at noon and 6 p.m. Tuesday, Sept. 15. The group will meet inside the front lobby of Pattee.

For further information, contact the Center for Adult Learner Services at 863-3887 or stop by 323 Boucke.

**Scholarship applicants sought**

The Edward L. and Dessa B. Keller Memorial Scholarship, which provides financial help to University students enrolled in continuing education courses, invites applicants.

Established in 1976 by contributions from members of the Class of 1925, colleagues, friends and family members of Edward L. Keller, the scholarship recognizes Dr. Keller's contributions to the field of continuing education. He was director of Continuing Education and later vice president of public affairs at Penn State.

All Penn State students enrolled in regular or extended degree courses are eligible to apply for the scholarship, but preference is given to students enrolled in continuing education courses or adult education doctoral programs and to those participating in internships at the National University Continuing Education Association office in Washington, D.C.

The deadline for applying for the scholarship is Oct. 9. Application forms are available from Sandra Rothrock, 210 Keller Building; (814) 863-7752.

**Recycling**

Continued from Page 1

State of 14.5 percent is higher than the statewide average, and the number of tons recycled is higher than any other college or university in the state. Recycling newspaper will enhance our efforts."

According to Mr. Melnick, the recycling team made special efforts to minimize costs in developing the newspaper recycling plan.

No new collection barrels will be purchased, and workers who now pick up other recyclable paper also will pick up newspapers.

"It's easy to devise a comprehensive recycling program if you have an unlimited amount of money to spend," Mr. Kampia added. "The trick is to develop a plan that will save the University money, which any good recycling policy will do. Our plan

will do just this—if participation is good."

According to estimates, if 200 tons of newspaper are recycled during the 1992-93 academic year, the new program probably will save money for the University. Approximately 200 tons of newspaper were being recycled annually when changes in how material would be accepted forced the University to stop recycling newspaper.

According to the co-chairs, the recycling team will remain intact throughout the fall to evaluate the effectiveness of newspaper recycling, and to determine how the University can add glass and plastic to the recycling program.

If newspaper recycling is successful, they said, a similar system for glass and plastic recycling could be in place by Spring Semester.

PROMOTIONS

**Staff Exempt**

Michael D. Casper, to information specialist in Research and Graduate School.

Yvonne A. Hricak, to divisional coordinator at Hershey Medical Center.

David R. Hunt, to maintenance foreman at Beaver Campus.

Wayne S. Kaaboord, to electron microscopist in Research and Graduate School.

Cynthia L. King, to human resources development specialist in Office of Human Resources.

Kathy N. Kling, to student activities assistant at Altoona Campus.

John P. Koll, to assistant ticket manager in Intercollegiate Athletics.

John R. Krumrine, to area representative at Shenango Valley Campus.

Susan U. McLaughlin, to development officer in Division of Development and University Relations.

Kenneth P. Miller, to associate dean, Student Services at Penn State Behrend.

Debra S. Petruska, to divisional coordinator, Cardiology at Hershey.

Kristina A. Reynolds, to assistant nursing manager at Hershey.

Tina R. Schock, to divisional coordinator at Hershey.

Mark W. Signs, to project associate in Research and Graduate School.

Kathryn E. Smith, to manager, maintenance planning and services in Office of Physical Plant.

Russell A. Souchak, to services supervisor, documents and maps in University Libraries.

Anne E. Stanley, to Macromolecular Core Laboratory manager at Hershey.

Rosemary A. Walsh, to manager, Electron Microscopy Facility in Research and Graduate School.

Scott A. Weaver, to coordinator-CIRD in Education.

Marguerite M. Witmer, to clinical nurse specialist at Hershey.

**Staff Nonexempt**

Robert M. Elper, to supervisor, Building Operation Center at Hershey.

Michele M. Fieo, to senior research technician at Hershey.

Amy S. Furman, to senior technical specialist at Hershey.

Hector L. Hearn, to computer tomography radiation technician at Hershey.

Colleen M. Lebo, to research technician at Hershey.

Helen A. Parsons, to senior research technologist in Health and Human Development.

Patricia J. Selman, to accounting assistant at Hershey.

David L. Sheller, to cardiac arrhythmia technician at Hershey.

Kathleen J. Smith, to senior research technician at Hershey.

Gina M. Zimmerman, to research technician at Hershey.

**Clerical**

Pamela K. Adams, to secretary A in Engineering.

Patricia A. Bennett, to secretary C in Office of the President.

Kim M. Conlin, to clerk, accounting A in Research and Graduate School.

Linda S. Fura, to secretary B in Undergraduate Education.

Lisa A. Moyer, to clerk A, Arts Library in University Libraries.

Roxanne M. Moyer, to clerk, Surgery Registrar Coding at Hershey.

Shanda A. Noll, to budget clerk at Hershey.

Kathryn L. Pillot, to clerk, expeditor A in Purchasing Services.

Sherry L. Robinson, to secretary B in Science.

Anna P. Wagner, to senior medical transcriptionist at Hershey.

Judith A. Woodring, to secretary B at Hershey.

**Technical Service**

Rodney K. Barner, to heating, ventilation and air conditioning mechanic in Office of Physical Plant.

Kenneth A. Boonie, to classroom equipment technician in Continuing Education.

Tammy J. Carolus, to food preparer B in Housing and Food Services.

Terry C. Crust, to electronics technician in Engineering.

Richard D. Dixon, to machine operator, Bakery in Housing and Food Services.

Scott W. Faer, to patrol officer at Hershey.

Barbara Franhnestock, to operating room assistant at Hershey.

Gerald E. Kistner, to maintenance worker, Utility in ARL.

Michael F. Kowalczyk, to dining hall worker A in Housing and Food Services.

Jan G. Lazny, to food preparer A in Housing and Food Services.

Louise M. Simondale, to bakery assistant in Housing and Food Services.

Cindy M. Snyder, to baker, utility in Housing and Food Services.

Edwin J. Teets, to utility worker at Hershey.

David B. Wolfe, to janitorial store room attendant at Hershey.

### The arts on Channel 3

Two of the hottest stars in contemporary music join forces with John Williams and the Boston Pops Orchestra when Patti Austin and James Ingram take the stage at Symphony Hall Sunday, at 8 p.m. Sept. 6, on Evening at Pops.

Ms. Austin, whose powerhouse voice has brought audiences to their feet since she debuted at the Apollo Theater at the age of four, solos on "Razzamatazz" and the classic "Smoke Gets in Your Eyes." Mr. Ingram displays the lush vocals that earned him 13 Grammy Award nominations on "I Don't Have the Heart" and "One Hundred Ways," and the two team-up for the show-stopping "Baby, Come to Me."

Hosted by comic magicians Penn and Teller, a special Behind the Scenes preview program, airing at 8:30 p.m. Tuesday, Sept. 8, is an introduction to a 10-part series for 8- to 12-year-olds and their families to instill creative and critical thinking through exploration of the visual and performing arts. The pro-

grams will begin airing on Sundays at 7:30 p.m., beginning Sept. 13 and Fridays at 4 p.m., starting Sept. 18.

Each program focuses on one artist creating a work—a blank canvas becomes a painting; a melody becomes a composition; random movements become the patterns of a dance; a bare stage is transformed into the magic of a theatrical production.

Behind the Scenes represents the first major initiative to present the arts to children on national television, addressing an area that is more and more neglected as school budgets are cut.

### Odyssey on WPSU

The espionage novels of Len Deighton spark a discussion of the prospects for "morality in a world in which it is impossible to trust anyone" on the next Odyssey Through Literature broadcast.

On "The Spy on the Wall," Leonard Rubinstein's guest is Jurgen Kamm, a professor of comparative literature at the Bergische Universität in Wuppertal, Germany.

Professor Kamm, who has studied Deighton's use of the Berlin Wall, notes: "The more information you've got, the better you are suited to cope with a situation, so people are very unwilling to part with information. The idea of withholding information gives you the better position, it seems. That's what you learn from Deighton: Gather as much information as you can, and impart as little as you may. That is

the morality of the late 20th century."

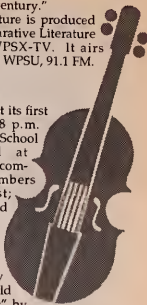
Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Castalia Trio concert

The Castalia Trio will present its first concert of the season at 8 p.m. Wednesday, Sept. 9, in the School of Music Recital Hall at University Park. The trio is composed of faculty members Marylene Dosse, pianist; James Lyon, violinist, and Kim Cook, cellist.

The concert will feature a recently discovered trio from Claude Debussy's student days, a masterwork by Maurice Ravel, and the world premiere of "Pythian Games" by Burt Fenner, professor of music.

Professor Fenner, who composes for dance, theater, film and the concert stage, created "Pythian Games" for the trio. The title comes from ancient Greek games featuring musical contests that were held every four years at the foot of Mount Parnassus where the fount of Castalia flowed. The concert is free to the public.



# University Park Calendar

## Sept. 3 — Sept. 13

### SPECIAL EVENTS

- Friday, Sept. 4  
Geog. Coffee Hour, 4 p.m., 319 Walker. Eric Barron on "Can Climate Models Be Validated Using Earth History?" Refreshments, 3:30 p.m.
- Monday, Sept. 7  
Labor Day Holiday, no classes.
- Wednesday, Sept. 9  
School of Music, concert, 8 p.m., Recital Hall. Castalia Trio.
- Thursday, Sept. 10  
■ International Lecture Series, 9:30-11 a.m., 222 Boucke. Timothy Diemer; Roxana Ma Newman, ITM/MUCIA Cooperative Program in Malaysia; on "Indiana University's Program in Malaysia: Penn State and other MUCIA Faculty Participation."

- Friday, Sept. 11  
Talk, 1:30 p.m., 112 Walker. Richard H. Matzke, Chevron Corp. and Chevron Overseas Petroleum, on "How Present Day Realities in the Petroleum Industry will Impact Future Operations;" and Thomas H. Wenzler, Tetra Tech., on "Processing Technologies in Environmental Cleanup;" at 3:30 p.m., 301 Steidle.

### PUBLIC RADIO

- WPSU-FM 91.1  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition; Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Creative License," 12:30 p.m. Thursdays.

### SEMINARS

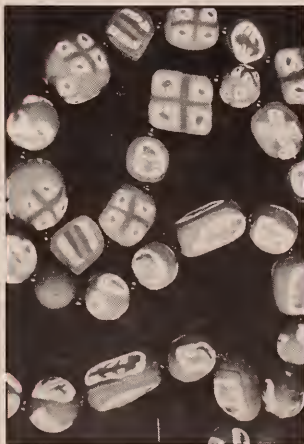
- Tuesday, September 8  
Graduate Program in Nutrition Colloquium, 4 p.m., S209 Henderson South. Lowell Wilson on "Animal Welfare and Related Issues in Agriculture."
- Wednesday, September 9  
Accounting Research Colloquium, 3:30-5 p.m., 333 Beam BAB. Shyam Sunder, Carnegie Mellon Univ., on "Professional Traders as Intuitive Bayesians."
- Eng. Science and Mechanics EMch 514, 3:35 p.m., 314 Hammond. Heinz K. Henisch on "The Beginnings of Photography."

### EXHIBITS

- Kern Gallery  
Len Siebert, "Through a Lens's Eye," collection of photographs taken in the 1970s, through Sept. 25.
- Pattee Library  
Matn Lobby:  
"Trashing the Libraries: The Preservation Problem," through Nov. 9.
- Zoller Gallery  
Prints from the permanent collection of the Frans Masereel Center for Printmaking, Kasterlee, Belgium, through Sept. 25.

### TIPS

- Information Penn State  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.
- Reflects an international perspective



These beads are just part of an exhibit of handmade jewelry now on display in Kern Building Galleries at University Park. The jewelry is the work of Lydia Dambekins, who was inspired by her travels through Asia and Africa.

## BOOKSHELF

Gideon S. Golany, distinguished professor of urban design, is the author of *Chinese Earth-Sheltered Dwellings: Indigenous Lessons for Modern Urban Design*, published by the University of Hawaii Press.

The culmination of more than one and one-half years of field work in China, it is Dr. Golany's fifth book on earth-sheltered habitats.

*Chinese Earth-Sheltered Dwellings* is the first comprehensive study of the subject and introduces the reader not only to a unique class of dwelling but also to the culture of its inhabitants.

In the book, Dr. Golany examines the relationship between the physical and human environments in shaping these dwellings. He provides an extensive analysis of their advantages and disadvantages.

In addition to 27 monographs and numerous articles, Dr. Golany has written or edited 18 books, including *Urban Underground Space Design in China*, *Earth-Sheltered Dwellings in Tunisia and Earth-Sheltered Habitat: History, Architecture and Urban Design*.

R. Thomas Berner, professor of journalism and African studies, is the author of *Parents Whose Parents Were Divorced*, published by The Haworth Press, Inc., Binghamton, N.Y.

As the "first divorce generation" is now reaching parenthood, society is beginning to feel the social and psychological effects of the *Parents Whose Parents Were Divorced* children of the same divorce to see how others in the same situation are dealing with divorce and its implications.

The book discusses how children of divorce behave as parents, what adjustments they make in their lives, whether or not they would divorce; the role of divorced grandparents, and how many grown children have attempted reconciliation with their parents.

Bruce D. Bonta, associate librarian, University Libraries and James G. Neal, director of the University Libraries at Indiana University, are co-editors of *The Role of the American Academic Library in International Programs*, published by JAI Press Inc. The book discusses the ways in which American academic librarians respond to the challenges of global library issues, international resource sharing,

and the information problems of other cultures.

In addition to co-editing, Mr. Bonta authored a chapter titled "American Higher Education and International Programs: Background, Issues, and a Future Agenda," in which he provides a brief history of American universities' and colleges' involvement in international programs and considers problems related to international educational exchanges, evaluations of their successes, and issues concerning international students on American campuses.

Sally Kalin, librarian, University Libraries, also contributed to the book as author of a chapter, "The International Student in the American Academic Library," that identifies the major obstacles international students face in academic libraries and suggests ways that librarians can eliminate these barriers to the mutual benefit of students and librarians.

Maureen A. Carr, professor of music theory, is co-author with Bruce Benward of the University of Wisconsin-Madison of the fifth edition of *Sight-Singing Complete*, published in 1991 by William C. Brown and Benchmark Publishers.

The textbook is designed for a four-semester sequence of courses in musicianship. Students in musicianship courses are evaluated on their competencies to "hear with their eyes" the musical notation of melodies and arpeggios, and harmonies that they are reading. One of the best ways for instructors to determine whether or not the students are "hearing with their eyes" is to have them sight-sing what they are reading.

One of the innovations of the new edition is the emphasis on melodic fragments from music literature as the basis for a systematic approach to interval study. In this edition, many 20th-century melodies by well-known composers have been added to the later chapters.

Amy L. Paster, senior assistant librarian, University Libraries, is author of the *Kneebone Mushroom Reference Collection* in the Penn State Life Sciences Library.

The publication is a listing of the University Libraries' extensive collection of books, journals, theses and reprints on the mushroom industry, mushroom cultivation and culinary uses, and the history and mythology of mushrooms.

The collection, housed in the Life Sciences Library, was donated to the Libraries by Leon R. Kneebone, professor emeritus of botany and plant pathology, after his retirement in 1978.

John Salvia, head of the Department of Educational and School Psychology and Special Education in the College of Education, has co-authored with James Ysseldyke of the University of Minnesota, the fourth edition of *Assessment in Special and Remedial Education*. Published originally by Houghton Mifflin, the text has been translated into Portuguese and Spanish.

William G. Tierney, associate professor of education and senior research associate in the Center for the Study of Higher Education, is the author of *Offensive Engagement, Institutional Disengagement: Minorities in Academe—The Native American Experience*.

Despite the continuous development of minority recruitment and retention efforts, Dr. Tierney says, colleges and universities are still structured to discourage minority students.

"On the positive side, colleges and universities are doing a better job at recruiting minority students. But schools now need to do a better job of retaining Native American Indians and other students of color by removing structural obstacles and helping them feel more comfortable on campus."

The book explores why an unusually large number of minorities, particularly Native American Indians, do not complete four-year degrees. It also offers suggestions for organizational, classroom and curricular improvements.

Dr. Tierney's research shows that college graduation rates of minorities are greatly affected by a disproportionate number of discouraging policies and procedures that can be attributed to faculty and administrators' attitudes and their inability to understand students of color. His findings are based on a two-year longitudinal study of Native American Indian students and interviews of more than 200 students.

The book recommends that colleges and universities work with junior colleges to develop stronger academic curricula. In addition, it suggests that colleges should initiate programs to help faculty better understand and communicate with diverse students

and to adjust the classroom setting accordingly.

Michael L. Young, assistant professor of politics and public affairs at Penn State Harrisburg, defines the 400 most important polling terms used in contemporary public opinion research in his new book, *The Dictionary of Polling: The Language of Contemporary Opinion Research*, published by Greenwood Press.

"Polls don't have too much power by themselves, pollsters do," says Dr. Young, who also is director of the Survey Research Center at Penn State Harrisburg. "So much of the polling process is wrapped in a mystique that often gets expressed in technical terms, which obscure the real meaning but give pollsters the same kind of power that high priests have."

"Pollsters control the language and knowledge that give them the power to interpret the polls," adds Dr. Young, who has been active as a pollster, media analyst and a consultant to the private and public sectors. "Often people who use polls don't understand their potentials and limitations."

The book outlines how polls really work and focuses on the applied aspects of polls, and the use of polls in the real world of politics and working politicians. Through anecdotes, it illuminates the symbiotic relationship between polling and contemporary politics.

The 266-page reference is designed for professionals in the survey research field, for pollsters and for students and scholars concerned with public opinion.

Donald Willower, distinguished professor of education, is the author of *Educational Administration: Philosophy, Praxis, and Professions*, published by the National Council of Professors of Educational Administration, based at the University of Wisconsin, Madison.

The first in a new series of monographs to be published by the Council, this work deals with intellectual trends in educational administration; the relation of that field to the social sciences and philosophy, and the problem of theoretically-informed practice in administration.

## First endowed lectureship is created in Continuing Education

The Lydia S. and Samuel S. Dubin Lectureship in Continuing Education Research and Retraining has been established in Penn State Continuing Education by Samuel S. Dubin. It is the first endowed lectureship to be created in Continuing Education.

"We are grateful to Samuel Dubin for his generosity and foresight in recognizing the importance of continuing education research and retraining in today's work place," James H. Ryan, vice president for Penn State Continuing Education, said.

"Employers know the value of education and retraining in maintaining a competitive advantage in the global marketplace. This lectureship will enable us to highlight research aimed at improving productivity and competitiveness of U.S. businesses."

Dr. Dubin, internationally renowned for his expertise in the field of retraining, contributed \$25,000 to create the lectureship in honor of his late wife.

He is a psychologist, consultant and lecturer on industrial and organizational psychology, retraining and continuing education research topics. He retired from Penn State in 1979 as professor emeritus of psychology, following an 18-year career as a teacher of industrial/organizational psychology and project director of the Human Performance Studies program in two National Science Foundation grants dealing with motivation and the work environment. He also spent three years (1979-82) as director of the Center for Human Performance Systems at the University of Southern California.

His research has focused on the factors involved in job satisfaction in the work place. He has found that providing recognition and encouragement for workers can lead to innovation, creativity and productivity.

"Retraining is a key to the economy," he says. "Our economy is changing so rapidly that workers

need to acquire new skills through education and retraining to compete in an organization."

Now at work on a book about building competitive and innovative organizations, Dr. Dubin is co-editor, with Sherry L. Willis, professor of human development, of *Maintaining Professional Competence: Approaches to Career Development, Viability and Success Throughout a Work Life*, published in 1990 by Jossey-Bass.

He has served as a management consultant and lecturer in numerous countries around the world for the U.S. Department of State and U.S. Information Agency, as well as for the United Nations and NATO. He is a past president of the Industrial and Organizational Psychology and a fellow of both the American and Pennsylvania Psychological Associations.



# Focus on

# Research

Intercom  
September 3, 1992

## The Winning Edge

*Testosterone levels could be key  
to future victories*

In many areas of male competition, victory stimulates testosterone levels, which in turn provide a winning edge in future competition, according to a Penn State sociologist.

"In many competitive activities, ranging from tennis to chess, testosterone levels rise with victory and fall with defeat," said Alan Booth, professor of sociology in the College of the Liberal Arts. "Thus, testosterone levels help to explain both winning and losing streaks."

Recent findings suggest that high concentrations of testosterone make males more assertive, motivated and eager to advance socially, Dr. Booth noted.

"Our studies of tennis players revealed consistently large increases in testosterone before matches, as if

**"Heightened  
testosterone  
reinforces the  
will to  
dominate,  
which  
facilitates  
winning."**

Alan Booth  
professor of sociology

they to face subsequent challenges. This enhanced the prospect of consecutive wins.

Losers, on the other hand, experienced a drop in testosterone, which inhibited their success in subsequent competition, causing them to lose confidence and, in some cases, shun future competition altogether.

Dr. Booth is the author of the article, "Testosterone and Chess Competition," which appeared in *Social*



Competitive activities like chess raise testosterone levels if victory is achieved.

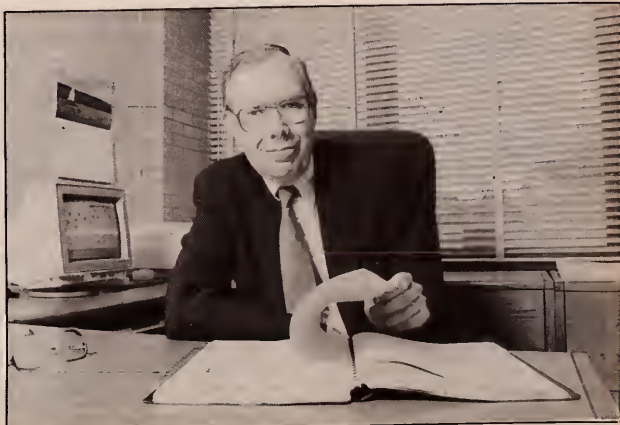
*Psychology Quarterly*. His co-authors are Allan Mazur, Syracuse University, and James M. Dabbs Jr., Georgia State University.

Dr. Booth also is co-author of the article, "Testosterone, and Winning and Losing in Human Competition," along with Dr. Mazur, Greg Shelley of the University of Iowa, and Getty Tharp and Roger Kittok, both of the University of Nebraska.

"Studies of testosterone levels, at first limited to athletic competition, now have been extended to nonphysical face-to-face competition," said the Penn State researcher. "We've learned, for instance, that testosterone activity during chess competition is similar to that found in tennis and other physically taxing sports."

"Chess competition is only one step removed from normal conversation," he added. "The next research objective is to examine the testosterone level in normal conversational competition."

— Paul A. Blaum



Alan Booth

Photos: Greg Grieco

AWARDS

## Two in College of Agricultural Sciences honored

Harold W. Harpster, associate professor of animal science, has received the 1992 College of Agricultural Sciences Alumni Society's Excellence in Academic Advising Award.

The award recognizes faculty with outstanding skills in academic advising, career planning and personal counseling. Advisers in the college are nominated by alumni, faculty, students and administrators.

In addition to advising 15 to 25 undergraduate students each semester, Dr. Harpster serves as faculty adviser to the Block and Bridle Club, participates in recruitment efforts, assists in summer counseling of new students and advises summer interns.

Students enthusiastically support Dr. Harpster's nomination. "He makes the time to sit and talk at anytime, no matter how busy he is," says one advisee. "He's easy to talk to and really cares about students and their problems."

Dr. Harpster is a member of his department's undergraduate program and student scholarship committee. He has served on the college's scholarship committee for three years, including one year as chair.



Harold W. Harpster

As a member of the college's resident education review team, he helps suggest improvements to the college's undergraduate programs.

He joined the University faculty as an assistant professor of animal science in 1978 and was named associate professor in 1985. He is a member of numerous agricultural honor societies and has received recognition for his efforts in research and teaching from the Pennsylvania Forage and Grassland Council and other organizations.

Charles W. Abdalla, associate professor of agricultural economics, has received the Gilbert F. White Fellowship Award from Resources for the Future (RFF).

Dr. Abdalla will be a resident fellow at RFF's Quality of the Environment Division in Washington, D.C., while on sabbatical leave during the 1992-93 academic year.

His research will focus on costs and benefits of public policies for reducing agricultural non-point source water pollution.

Resources for the Future is an independent, non-profit organization established in 1952 to advance research and public education in environmental quality and the development, conservation and use of natural resources. The fellowship program was established in honor of Gilbert F. White, a distinguished geographer and internationally known statesman of science.



Charles W. Abdalla

# Associate professor awarded four-month research fellowship

Zachary Irwin, associate professor of political science at Penn State Erie, The Behrend College, has been awarded a four-month research fellowship at the Woodrow Wilson International Center for Scholars in Washington, D.C.

Dr. Irwin will spend his residency at the Wilson Center researching the foreign policies of the six former Yugoslavian republics.

An internationally recognized scholar of the former Balkan country of Yugoslavia, he presented a paper titled "Beyond Yugoslavia" earlier this month at the International Research and Exchange Board conference in Budapest, Hungary.

The Wilson Center was established by Congress in 1968 and was designated an international insti-

tute for advanced study.

Each year, the Wilson Center holds open international competitions to select approximately 50 residential fellows. Fellows conduct advanced research, write books, contribute to seminars and conferences, or participate in discussions with other scholars, public officials, journalists or business and labor leaders.



Zachary Irwin

## University electronic processing system named finalist in Smithsonian competition

Penn State's Electronic Approval System, EASY, which is saving the University more than \$740,000 a year by electronically processing and tracking more than two million administrative actions annually, was named a finalist in the fourth annual Computerworld Smithsonian Awards.

The awards honor innovative applications in information technology in classrooms, laboratories, corporate offices and other areas of endeavor that benefit society.

EASY allows Penn State employees to electronically create and distribute forms that once were manually typed, copied, faxed, archived and shredded. Once approved for the system, a form is instantly forwarded to the next office in the approval cycle, a critical time saver in a university system with 23 locations.

"The EASY system also validates information electronically as it is entered, which makes the process much more accurate than when done by hand," J. Gary

Augustson, executive director of Computer and Information Systems, said. "Not only is the system efficient and cost effective, it is also changing the way we work — a fact recognized by this and other awards EASY has received."

Penn State's entry in the Smithsonian competition was one of five finalists in the education and academia category in which Ohio's Center of Science and

Industry in Columbus won first prize for its "Mission to Mars." All Computerworld nominees are recorded in the permanent research collection at the Smithsonian.

Among its other awards, EASY captured the top Cost Reduction Incentive Award

from the National Association of College and University Business Officers in 1991. The system was designed in house by staff in the Office of Administrative Systems and has been in place since 1990.

*The system is saving the University more than \$740,000 annually*

## Library assistant receives outstanding service award

Delores M. Wiant, library assistant at Penn State Great Valley, has received the 1992 Outstanding Office Personnel Award, sponsored by the Penn State Chapter of Educational Office Personnel (PSEOP).

Finalists for the award, which recognizes individuals who demonstrate enthusiasm for, initiative in, and commitment to enhancing the goals of the University, are Diane R. Roan, secretary in the College of the Liberal Arts, and Linda M. Roan, secretary in the Accounting Office of The Smeal College of Business Administration.

Ms. Wiant, who has been a Penn State staff member for 25 years, began her career as a part-time employee in the registration office and library at the King of Prussia Graduate Center. She was promoted in 1988 to library assistant.

As the 1992 award winner, Ms. Wiant received a U.S. Savings Bond, a desk accessory, and a one-year PSEOP membership. The finalists each received a desk accessory and a one-year PSEOP membership.

The Penn State Chapter of Educational Office Personnel is a professional organization whose membership consists of faculty, staff, non-exempt, clerical and technical services. The chapter is affiliated with the Pennsylvania Association of Educational Office Personnel and the National Association of Educational Office Personnel.

## Teaching award given

Gail C. Keating, assistant professor of English and women's studies at the Penn State Worthington Scranton Campus, has received the 1992 Campus Advisory Board Award for Excellence in Teaching.

A member of the Worthington Scranton Campus faculty since 1970, Dr. Keating received her bachelor of arts in English from Penn State. She holds both a master of science degree in English and a masters of science degree in librarianship from Marywood College. Her doctorate in education is from Temple University.

Dr. Keating has presented papers related to her teaching disciplines at numerous local, state, national, and international conferences. She has been recognized by Penn State's Commission for Women as one of the University's Achieving Women and has been appointed to serve on the Commission.

Her service to the Campus and to the University includes chair of the High School Scholars Seminar Program and chair of the WSC Social Committee. She also is coordinator of Women's Studies and past campus representative for the College of Liberal Arts Council of Senators.

## AWARDS

## Associate professor is named Fulbright Scholar

Roger Koide, associate professor of horticultural ecology in the Eberly College of Science, is the winner of a Fulbright Senior Scholarship to Adelaide, South Australia.

A specialist in plant physiological ecology and whole-plant physiology, Dr. Koide will study the symbiosis formed between plants and mycorrhizal fungi.

"I plan to focus on the physiological regulation of the mycorrhizal symbiosis," he says. "The mycorrhizal symbiosis has great agronomic and ecological significance because plant productivity, particularly on a global basis, is frequently limited by phosphorus, the uptake of which can be dramatically increased by mycorrhizal infection."

Dr. Koide, who joined the University faculty in 1986, also has been honored with a Presidential Young Investigator Award of the National Science Foundation and has received

other major research grants from the NSF and the A.W. Mellon Foundation.

A 1980 graduate of Pomona College with a bachelor's degree in biology, he earned a doctoral degree in botany at the University of California, Berkeley, in 1984 and performed postdoctoral research at Stanford University from 1984 to 1986.

The Fulbright program is designed to increase mutual understanding between the people of the United States and the people of other countries. Students, teachers, and scholars are eligible for the awards and are selected on the basis of academic and professional excellence plus their ability and willingness to share ideas and experiences with people of diverse cultures.

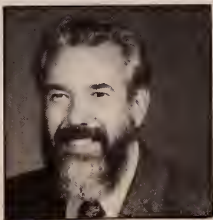
## Professor selected as member of Spain's Royal Academy

Robert Lima, professor of Spanish and comparative literature, and Fellow of the Institute for the Arts and Humanistic Studies, has been selected to membership in the Academic Norteamericana de la Lengua Espanola.

The North American Academy of the Spanish Language is a corresponding member of Spain's prestigious Real Academia Espanola (the Royal Academy) and includes in its membership some of the most important critics, linguists, and writers in the field.

Cuban born, Dr. Lima is an internationally-known critic, biographer, translator, bibliographer, and speaker in the disciplines of modern Spanish and Spanish-American literature. He is the author of ten books in these areas. He also is the author of three books of poetry. Hundreds of his poems and poetry translations have appeared in newspapers, magazines and anthologies throughout Europe, Spanish America, and the United States.

Dr. Lima has been a Cintas Foundation Fellow in Poetry, a Senior Fulbright Fellow, and a lecturer for the U.S.I.A. in Latin America and Africa. Among professional associations to which he has been elected are PEN International and the Poetry Society of America.



Robert Lima

## Schuylkill Campus

## Four faculty members receive award

Four members of the Penn State Schuylkill Campus faculty have received the campus Research and Scholarship Support Award.

They are: T.G. Smith, assistant professor of engineering; Franklin P. Platts, assistant professor of engineering; Ronald W. Dietz, associate professor of zoology, and Rod Heisey, associate professor of biology.

The award, which is funded through the campus' annual fund totals \$3,000 for the 1992-93 academic year. It was initiated in 1987 by the Schuylkill Campus Advisory Board in an effort to recognize activities of campus individuals.

The award to Professors Smith, Platts, and Dietz will enable them to evaluate and develop laboratory equipment for both the engineering and science laboratories on campus.

According to their proposal, the high cost of experimental and test equipment in both the engineering and science curricula has forced the University into either high capital expenditures, or into a reduction of offerings to just meet minimum equipment requirements. One solution to the equipment problem is to use personal computers to emulate the various types of laboratory equipment.

Dr. Heisey's proposal requests funds for the enhancement of the greenhouse facilities at the campus, to enable it to be used more adequately for research applications.

## Achievement award bestowed for new video interviewing technique

A new video interviewing technique utilized by Career Development and Placement Services has won the 1992 Outstanding Achievement Award given by the Chevron Corp. and the College Placement Council for Innovative Programs in the Career Planning and Placement Field.

The television-telephone link put in place during the 1991 academic year, offered 1,400 seniors at Penn State Erie, The Behrend College, and Penn State Harrisburg entry to the University Park Campus recruiting system.

"Both employers and students benefited from the link," Jack Rayman, director of Career Development and Placement Services, said.

"Students interviewing via the video system received the same ratio of employment offers as students who traveled to University Park. At the same time, employers gained access to a larger pool of candidates and to seniors graduating from programs not offered at University Park."

Companies such as General Electric, Armstrong, Clairol, Sears, and the Pittsburgh National Bank participated in the project.

Ralph DeShong and Theresa Morrison, at the University Park Campus, and Mary Beth Peterson and Cara Loomis, at Penn State Erie, were primarily responsible for implementing the system. The University's Telecommunications unit assisted in the installation of system hardware.

Noting that the television-T1 dedicated phone line is believed to be the only one operating for college job interviews, Mr. Rayman said the possibility of extending the system to Penn State Great Valley as well as to a major corporation is under study.

The award and a \$1,000 check from Chevron were presented at the 1992 meeting of the College Placement Council in San Francisco, Calif.

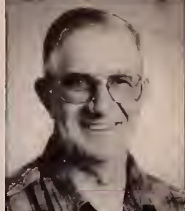
## Publications honored for work

The University has received two Citations of Excellence in the College Sports Information Director of America (CoSIDA) Publications Contest for the 1991-1992 academic year.

Kimberly Jones earned a Best Cover award in Division A for gymnastics brochures. Mary Jo Haberbeck's women's basketball brochure won a Second in the District award in Division C.

CoSIDA sponsors 69 publication contests in 27 different categories. The contests range from specific sport brochures and programs to posters; to special publications and programs to conference publications.

## 25-YEAR AWARDS



Observing 25 years of service at the University are, from top, William E. Campbell Jr., manager of Internal Publications and editor of the Penn State Intercom, Department of Public Information; Donald Epp, professor of agricultural economics and assistant director of the Environmental Resources Research Institute, and Myron Rudy, dairy barn supervisor, in the College of Agricultural Sciences, and Richard O. Lowery, supervisor, Civil Engineering Lab, College of Engineering.

## Alumnus increases donation to University by \$11.5 million

Alumnus and former construction industry executive William E. Leonhard and his wife, Willis, have increased their commitment to Penn State by \$11.5 million.

They have designated \$10 million for the Leonhard Center for Innovation and Enhancement of Engineering Education—the largest gift ever received by the College of Engineering.

The Leonhards also have directed \$1.5 million to endow the Jeanne Leonhard Chair in Education. The chair honors their daughter, Donna Jeanne Leonhard, a 1968 graduate of the College of Education and an elementary school teacher in Arcadia, Calif.

William Leonhard graduated from Penn State in 1936 with a degree in electrical engineering. After a wide ranging engineering career, both civilian and military, he retired in 1990 as chairman, president and chief executive officer of Pasadena, Calif.-based Parsons Corp., one of the world's largest engineering/construction firms.

"Bill Leonhard recognizes the importance of excellence in undergraduate engineering education as a cornerstone of America's strength, and we're grateful for his support," said David Wormley dean, of the College of Engineering. "The Leonhard Center is unique in its emphasis on the creative aspects of engineering, and promises to be a significant tool in revitalizing engineering education."

The goal of the Leonhard Center is to improve

the quality and relevance of the undergraduate experience, thereby attracting outstanding students to engineering careers. It uses an interdisciplinary approach that draws upon the expertise of both practicing engineers and educators to identify the needs of students and the marketplace, and to devel-

**"The Leonhard Center is unique in its emphasis on the creative aspects of engineering, and promises to be a significant tool in revitalizing engineering education."**

David Wormley  
dean, the College of Engineering

op innovative curricula and teaching methods to meet those needs. Twenty prominent engineers and industrialists participate in its activities through membership on its advisory board.

The Leonhard Center was created in 1990 with \$4 million from a \$7 million commitment made through the Leonhard's estate plans. Since that time, they have worked closely with the University to finalize their estate plans and to sharpen the focus of the remainder of their philanthropy. The \$11.5 million

gift reflects this focus and an increase in their original commitment.

The Leonhard Chair in Education also is intended to promote innovation. It is one of a handful of chairs to be endowed in this field nationally and only the second to be endowed in Penn State's College of Education, following the Kenneth B. Waterbury Chair in Secondary Education, established in 1988.

Keeping with the Leonhards' desire to promote fresh approaches to problem solving, appointments to the chair will be made for five-year terms, although they may be extended in increments of one to five years at the discretion of the dean. Appointments may be made in any field or discipline within the college. Income from the endowment will be used for such purposes as the chair holder's salary, teaching innovations, research activities and graduate assistantships.

The Leonhards are major benefactors of Penn State. In addition to creating the Leonhard Center, they previously endowed the William Leonhard Chair in Acoustical Engineering and the Leonhard Professorship in Microelectronics, both in the College of Engineering, with gifts totaling \$12.5 million. Also, Jeanne Leonhard in 1989 endowed a scholarship in the College of Education to benefit students preparing for teaching careers in the elementary grades.

## OBITUARIES

Clarence E. Chisholm, associate librarian in University Libraries from Nov. 1990, until his retirement on disability June 30, 1992, died July 16 at the age of 42.

Mr. Chisholm served as chief of the Access Services Department. He had previously worked in academic libraries at Rio University, Clinch Valley College and Eastern Michigan University, and with the archives collection of the Martin Luther King Center for Social Change in Atlanta, Ga.

A graduate of Johnson C. Smith University, he later earned master's degrees from Atlanta University and North Carolina A&T State University, specializing in library and information science and English/Afro-American literature.

He was a member of the Black Caucus of the American Library Association and was active in the Association of College and Research Libraries.

Memorial contributions may be made to the University Libraries for the African American Studies Room.

Teresa Cohen, the first woman faculty member in the Department of Mathematics, died Aug. 10. She was 100.

A native of Baltimore, Md., she was a graduate of Friends School in Baltimore and the oldest surviving alumnus of Goucher College. She earned a master's degree and a doctorate in mathematics from Johns Hopkins University, one of the first women in the country to earn a Ph.D. in math in 1918.

Dr. Cohen joined the University faculty in 1920, a few weeks after the passage of the 19th Amendment, giving women the right to vote. Although she retired as professor emerita in 1962, she

continued to teach as an unpaid volunteer tutor for nearly 25 more years, keeping regular office hours from 9:30 a.m. to 4:30 p.m.

At age 94, she was still devoting her time and energy to students when a freak accident involving a runaway car left her hospitalized. Although she recovered from her injuries, she was unable to continue teaching and eventually moved to a nursing home in Baltimore.

In her honor, the Department of Mathematics established the Teresa Cohen Service Award for excellence in undergraduate teaching in 1982 and the Teresa Cohen Tutorial Endowment Fund in 1987 to help foster an undergraduate tutoring program.

Memorial contributions may be made to the Teresa Cohen Tutorial Endowment Fund, Pennsylvania State University, Department of Mathematics, University Park, PA 16802.

Frederick A. Fry, retired assistant librarian in University Libraries, died June 13 at the age of 72. He joined the staff Dec. 13, 1947, and retired Sept. 1, 1973.

Robert F. Gentry, professor emeritus of veterinary science, died July 22. He was 71.

He earned a D.V.M. from Kansas State University, a master's in endocrinology from the University of Missouri, and a Ph.D. in microbiology and public health from Michigan State University.

Joining the University faculty in 1954, he coordinated the Poultry Diagnostic Lab; taught and advised undergraduate and graduate students; conducted research and published more than 230 professional manuscripts, and did consulting work for the U.S. Poultry

Producers, the U.S. Food and Drug Administration and companies in four foreign countries.

He served on a number of committees at the University, including the Faculty Senate, and was a founding member of the *Journal of Avian Diseases* and Tri-Bio Laboratories in State College. He retired June 30, 1981.

Gerald E. Harter, painter A in the Office of Physical Plant since Sept. 8, 1970, died July 25 at the age of 60.

Bruce H. Hawn, farm machine operator, College of Agricultural Sciences, from Oct. 1, 1966, until his retirement Jan. 1, 1987, died Aug. 16 at the age of 67.

Joseph Jordan, an internationally-known analytical chemist, died on Aug. 14 at the age of 73.

Dr. Jordan, professor emeritus of chemistry in the Eberly College of Science, was a pioneer in bioelectrochemistry and the study of heat effects in chemical reactions. His early research contributed to understanding how hemoglobin transports oxygen in the blood and how artificial hemoglobin substitutes could be manufactured. He later helped to develop an electrochemical instrument that allows diabetics to accurately self-monitor their blood-glucose levels.

Dr. Jordan's legacy as a teacher includes over 80 doctoral candidates and post-doctoral fellows, more than three dozen of whom now hold professorial or administrative ranks at various universities worldwide, while others hold positions of responsibility in government and industry.

Born in Rumania, he earned his doctoral degree at the Hebrew University in Jerusalem in 1945. A

naturalized U.S. citizen, Dr. Jordan emigrated to the United States in 1950, where he was a research fellow at Harvard University and at the University of Minnesota before joining the Penn State chemistry faculty in 1954. He retired from Penn State in August 1990.

Jeffrey G. Purvis, lecturer in English since June 20, 1989, died July 13 at the age of 38.

Kristina Schulz, patient accounting assistant at the Hershey Medical Center since Jan. 3, 1978, died July 12. She was 46.

Isador M. Sheffer, professor emeritus of mathematics, died July 20 at the age of 90.

He received a bachelor of science degree in mathematics in 1923 from Harvard University, a master's of science in 1925 from Rice University, and a doctorate from Harvard in 1927.

Dr. Sheffer joined the faculty Sept. 1, 1929, and retired July 1, 1969. In 1960, he received the University's Citation for Excellence in Teaching.

Roy Ernest Uptegraff Jr., former chairman of the Advisory Board of the Penn State Fayette Campus, died July 29.

Mr. Uptegraff, former president and chairman of the board of the R. E. Uptegraff Manufacturing Co., Scottsdale, Pa., was a 1938 graduate of Penn State.

Wilbur L. Wingard, carpenter A, Office of Physical Plant, from June 1, 1951, until his retirement June 21, 1972, died July 24 at the age of 82.

# Four faculty to receive NSF Young Investigator awards

Four University faculty members have been named to receive National Science Foundation Young Investigator awards.



Robin Ciardullo

They are Robin Ciardullo, assistant professor of astronomy and astrophysics, and Diane M. Henderson, assistant professor of mathematics, of the Eberly College of Science; Timothy C. Ovaert, assistant professor of mechanical engineering, and Barbara A. Shaw, assistant professor of engineering science and mechanics, of the College of Engineering.

The awards are intended to highlight and enhance the research and teaching careers of outstanding beginning faculty and to foster cooperation between academia and industry. Recipients are chosen through a merit review process that focuses on the candidates' accomplishments and potential to become academic leaders in teaching and research. Each Young Investigator can receive up to \$100,000 per year for five years through a combination of federal and matching private funds. Each award consists of an annual base NSF grant of \$25,000, plus an additional amount of up to \$37,000 to match funds from the private sector.

The four University researchers were among 202 academic scientists and engineers who received awards this year.

Dr. Ciardullo is interested in both galactic and extragalactic astronomy. As an undergraduate, he created the original Yale isochrones, which are theoretical HR diagrams that serve as the standard model for the analysis of cluster color-magnitude diagrams.

He has used narrow band imaging and spectroscopy to explore stellar evolution, dark matter, the disk structure of galaxies and the expansion rate of the universe. He developed a method for using the luminosity function of planetary nebulae as a distance indicator.

Dr. Ciardullo received his B.S. in astronomy and

physics from Yale University in 1976. He received his Ph.D. in astronomy from the University of Colorado at Boulder in 1980. He did post-doctoral fellowships at the Carnegie Institution of Washington and the National Optical Astronomy Observatories, Arizona before joining the faculty in 1990.

Dr. Henderson is interested in parametrically-excited standing waves. She also has studied nonlinear instabilities in progressive capillary-gravity wavetrains. In an interdisciplinary project, she investigated the effects of surfactant films on the damping of standing waves.

She plans to continue her studies of standing waves to test modern theories in nonlinear dynamic systems; to investigate the energy exchange among wave modes in spectra with various initial conditions; to investigate the effects of surface films on the growth, evolution and decay of surface waves, and to understand the boundary conditions at an air-liquid-solid interface.

Dr. Henderson received her B.S. and M.S. in engineering sciences from the University of Florida in 1984 and 1986, respectively. She received her Ph.D. in physical oceanography from Scripps Institution of Oceanography, University of California, San Diego in 1990. She was an affiliated research scholar at the University of Florida in 1990 and joined the faculty in 1991.

Dr. Ovaert's research centers around the study of friction and wear. He has investigated friction and wear phenomena in polymer and polymeric composites sliding against steel counterfaces under dry conditions. His interest in contact, thermal sliding and wear mechanisms in polymer/steel contact pairs has expanded into investigation of techniques to model friction and wear characteristics of composite materials.

Dr. Ovaert received his B.S. in mechanical engineer-

ing from the University of Illinois in 1981. He worked as the plant engineer for Wells Manufacturing, DurarBar Division, Woodstock, Ill. from 1981 to 1985.

He received a master of engineering management and a Ph.D. in mechanical engineering from Northwestern University in 1985 and 1989, respectively. He joined the faculty in 1989.

Dr. Shaw's research is in the area of engineered materials with an emphasis on the structure, processing and environmental degradation of nonequilibrium alloys and metal matrix composites. She also is investigating the use of shear waves generated by piezoelectric surface acoustic wave devices to control marine biofouling.

She has studied the effects of acid rain on painted steel surfaces and staining of aluminum used for the Space Shuttle's external tank. Her study of passivity and corrosion inhibition of aluminum and nonequilibrium aluminum alloys led to the production of corrosion resistant, supersaturated aluminum alloys containing several percent of passivity enhancing elements by vapor deposition.



Barbara A. Shaw



Timothy C. Ovaert

Dr. Shaw received her B.S.E. in ocean engineering from Florida Atlantic University in 1980. She was employed as a materials engineer at the U.S. Navy's David Taylor Research Center from 1981 to 1986 and 1987 to 1988. She received an M.S.E. and Ph.D. in materials science and engineering from Johns Hopkins University in 1985 and 1989, respectively.

From 1988 to 1990 she was a research scientist at Martin Marietta Laboratories. She joined the faculty in 1990.

## CARPOOLERS

An employee would like to carpool from Reedsville to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-4641 or 667-9030.

Kathie is looking for someone to share driving from Lock Haven area to University Park. Work hours are 8 a.m. to 5 p.m. Call 865-5493 or 717-748-8702 (after 6 p.m.)

## Women's group to meet

The Women's Alliance, a town-and-gown networking group, will meet at noon on the third Wednesday of each month for lunch at the Canton Restaurant, 222 Calder Way, State College. The next lunch will take place on Sept. 16. Professional women in State College and at Penn State are welcome to attend for informal discussion and networking. No reservation is required.

## PENN STATERS

Frank F. Aplan, distinguished professor emeritus of metallurgy and mineral processing has received the Antoine M. Gaudin Award of the Society of Mining Engineers. He was honored as "an outstanding researcher, educator and engineer who has contributed significantly to the theory and practice of mineral processing in a number of areas, but especially to the science and engineering of coal flotation."

John W. Bagby, associate professor of business law, has been invited by the Association of Russian Banks to participate in the Russian-American Conference on Banking to be held in Moscow in November.

Marie Bednar, associate librarian, University Libraries, presented an invited paper titled "Effective Organization, Workflows, and Use of Resources in Automated Cataloging Operations" at the world congress, "Czechoslovakia, Europe and the World: Arts and Sciences in the International Context" in Prague, Czechoslovakia.

Jam-Choon Khoo, professor of electrical engineering, presented an invited plenary lecture on liquid crystals nonlinear optics at the Capri Spring School on Nonlinear Optics and Optical

Physics in Capri, Italy. He also gave two papers at the International Quantum Electronics Conference in Vienna, Austria.

Virginia T. Freeman, director of the Penn State Executive Programs, has been elected vice chair of the 1992 Annual National Conference on Management and Professional Development Programs.

Friedrich G. Helfferich, professor emeritus of chemical engineering, served as co-director of a NATO Advanced Study Institute at Acquafredda di Maratea, Italy.

Robert O. Herrmann, professor of agricultural economics, presented a paper titled "Interlinkages in Consumer's Concerns with Food Production Technologies" at the First International Multidisciplinary Conference on Food Choices in Brussels.

Robert Killore, director of sponsored programs in the Office of the Associate Vice President for Research and Technology Transfer, has been elected president of the Northeast Section of the International Society of Research Administrators.

B. Lakshminarayana, Evan Pugh professor of aerospace engineering, presented two papers at the International Aeronegine Conference in Cologne, Germany. He also spent three weeks at Ecole Centrale de Lyon, France, working on a collaborative research program on turbulence modeling for high temperature flows in jet engine turbines.

Kenneth M. Lusht, chair of the Department of Insurance and Real Estate, has been appointed to the Appraisal Qualification Board of the Appraisal Foundation in Washington, D.C.

Robert A. Novack, assistant professor of business logistics, and William L. Greenoble, a doctoral candidate in business logistics, are the co-authors of a paper that won the 1992 E. Grosvenor Plowman Award of the Council of Logistics Management.

Andrew Pytel, professor of engineering science and mechanics, has received the Higdon Educator Award in recognition of his outstanding and long-term contributions to engineering education from the Mechanics Division of the American Society of Engineering Education.

**STAFF VACANCIES**

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division (Room 302). The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 853-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, Sept. 10. DO NOT CONTACT THE AREA THAT HAS THE VACANCY. Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02361, Proposal and Grants Aide, Senior Vice President for Research and Dean of the Graduate School, Population Research Institute, University Park Campus** — Responsible to the proposal and accounting assistant for assisting with preparation of supporting documents for grant proposals; obtaining signatures on clearance data forms and grant proposals, providing staff support to institute faculty and staff, entering financial data in spreadsheets, and assisting with accounting functions of the Institute. Requires associate degree, or equivalent, plus 12 to 18 months of experience. Extensive knowledge of Word Perfect 5.1, including the tables and equations functions, EXCEL, LOTUS, and experience with UNIX required. Excellent organizational and interpersonal skills required. This is a fixed-term position through June 30, 1993. SPEC GRADE 17.

■ **02362, Assistant Banquet Supervisor, Nittany Lion Inn, University Park Campus** — Supervise personnel in the service of banquets, conferences, and team employees; check rooms for proper set-up, check areas to see that food, equipment and materials are secured; inspect banquet personnel for appearance and instruct them as to duties; handle guest relations during and after banquets concerning quality of service, and insure correct and safeguard cash banks received for all banquet functions. Requires associate degree, or equivalent, plus over three months up to and including 12 months of experience. SPEC GRADE 16.

■ **02363, Coordinator, Administrative Support Systems, The Smeal College**

of Business Administration, Computer Laboratories, University Park Campus — Responsible to the manager, Computer Laboratories, for the planning, development and management of computerized information support systems and databases to include providing systems user support. Requires bachelor's degree, or equivalent, in computer science or related field, plus two years of experience. Background in token ring network and experience with AS400 required. This is a fixed-term position funded through June 30, 1993, with re-funding likely SPEC GRADE 20.

■ **02364, Retention Counselor/Advisor, Student Programs and Services/Academic Affairs, Delaware County Campus** — Responsible to the director of academic affairs and director of student programs and services for providing academic and personal advising, counseling and assistance. Assist students in coping and adjusting to problems and situations encountered in academic life in order to foster student retention. Requires master's degree, or equivalent, in education, counseling, or related field plus one year up to and including two years of experience in academic advising and/or counseling. Experience in dealing with minority concerns is required. SPEC GRADE 20.

■ **02365, Student Services Specialist, Student Programs and Services, Delaware County Campus** — Responsible to the director of student programs and services for assisting in the planning, development, coordination and implementation of student social, recreational and cultural programs and services. Requires bachelor's degree or equivalent knowledge plus three months up to one year of experience. Certification by National Athletic Training Association with a trainer's license, and Red Cross Certification in CPR and First Aid is required. SPEC GRADE 18.

■ **02366, Recreation and Athletic Specialist, Penn State Harrisburg** — Responsible to the coordinator, Recreation and Athletics, for providing, developing, and implementing portions of a recreation and athletics program that includes leisure time activities, intramural and intercollegiate athletics at Penn State Harrisburg with special emphasis on women's activities. Requires bachelor's degree or equivalent in physical education, recreation, or related field plus over one year of experience, preferably in women's sports, required. Master's degree and/or athletic training preferred. This is a fixed-term position. SPEC GRADE 18

**Edward Foust Memorial Lecture Series**

**CEO of The Discovery Channels to speak Sept. 10**

Ruth L. Otte, president and chief executive officer of The Discovery Channels, will deliver the inaugural lecture of the Edward Foust Memorial Lecture Series at 4 p.m. Thursday, Sept. 10, in the Carnegie Cinema at University Park. She will speak on "Developing a Cable Network."

The lecture memorializes Foust who was widely revered and respected in the cable industry for nearly 30 years, holding positions with Theta-Com, Texscan, Showtime, Anixter, and CommScope.

Ms. Otte's leadership and management has contributed to The Discovery Channels' growth over the years. In 1991, the network's audience had grown from 156,000 to 56 million, telecasting 18 hours of programming per day. Due to her efforts, the Discovery Networks have become an international multimedia company operating, the fifth largest cable television network in the United States.

Before joining The Discovery Channels in 1986, Ms. Otte was with MTV Networks for seven years, most recently as vice president of marketing for MTV and VH-1. She has eight years of marketing and consumer research experience with major corporations, including Coca-Cola, Fuqua Industries Inc., Eaton Corporation, and ITT.

Ms. Otte was named the 1991 chairman of the Cable Television Administration and Marketing Society, serving on its Board of Directors since 1987. Honors include the cable industry's Woman of the Year in 1987, one of the Top Ten Women in Cable in 1989; winner of the National Cable Television Association's Vanguard Award for Leadership in 1991 and winner of Women of Distinction by the National Association for Women in Education in 1991.

She received her M.B.A. from Georgia State University and a B.S. from Bowling Green State University.

Her visit is co-sponsored by the National Cable Television Center and the School of Communications. For more information, contact Dr. Richard Taylor at (814) 863-1482.



Ruth L. Otte

**PARTINGS**

William J. Ross, professor and head of electrical engineering, has retired with emeritus rank after 35 years service.

An expert in wave propagation in the ionosphere and instrumentation, Dr. Ross has published extensively in these areas.

A member of the Union Radio Scientific Internationale (URSI), he has served on several U.S. delegations to URSI General Assemblies around the world. From 1966-67, he was at Imperial College, London, on sabbatical leave.

Dr. Ross is a senior member of the Institute of Electrical and Electronics Engineers, and has chaired the Central Pennsylvania Section of IEEE. He also is a member of the American Geophysical Union.

He served on numerous University faculty committees, including as chair of the

College of Engineering Academic Committee, of the Electrical Engineering Instructional Laboratories Committee and the Department of Electrical and Computer Engineering Promotion and Tenure Committee.

Dr. Ross came to Penn State in 1955 as a research assistant in the Ionosphere Research Laboratory. He was appointed assistant professor of electrical engineering in 1956; was promoted to associate professor in 1958 and to professor in 1963. He served as electrical engineering department head from 1971 to 1979.

He received three degrees from the Auckland University College, Auckland, New Zealand — a bachelor's and a master's in physics and a doctorate in radio physics.

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September 3, 1992  
Vol. 22, No. 3

**PENNSTATE**



**INTERCOM**

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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## Libraries endowment receives \$1 million boost from Mellon Foundation

The Richard King Mellon Foundation has made a \$1 million gift to the Paterno Libraries Endowment at Penn State, its second million-dollar commitment to this fund in five years.

Named in honor of football coach Joe Paterno, the endowment supports the purchase of books, periodicals and other materials essential to scholarship. The new \$1 million, for instance, will help the University Libraries purchase more monographs, enhance collections in the arts and humanities and other disciplines, make high-demand materials available in more locations, and provide more access to electronic information.

"The importance of the Paterno endowment lies in the flexibility it provides to meet the Libraries' needs as they change over the years," President Thomas said. "This most welcome gift from Richard King Mellon Foundation will have a profound impact on the Libraries and will help to keep Penn State strong and viable."

Joe and Sue Paterno established the Paterno Libraries Endowment in 1984 with gifts totaling \$120,000. Including this latest gift and additional gifts from alumni and friends and a share of the revenues from the sale of sports and football memorabilia, the endowment's value now exceeds \$3.85 million.

Joe Paterno also recently agreed to head a study of the feasibility of raising at least \$5 million in private funds for

See "Libraries gift" on Page 5



The Palmer Museum of Art at University Park is beginning to take shape. Scaffolding, erected as part of the \$5.6 million renovation and addition project, has been removed and workers will soon begin to install the plaza area that will grace the front entrance. The museum should reopen to the public in June of 1993.

Photo: Greg Grieco

## President Thomas gives University address Highlights positive aspects, reflects on challenges

Colleagues and friends, welcome to the 1992-93 academic year.

For those of us who spend our lives in the university setting, the start of each academic year brings a new beginning—always new students ... often new colleagues ... inevitably new projects, and usually new resolve about accomplishing one's goals. After the summer's change of pace—even for those who have worked all summer long—the campus community is ready to plunge in, work hard, and enjoy the fruits of its labors. This is a rhythm first learned in college. It is a feeling that remains strong with me today.

With this new academic year, it is my hope that as all of us plunge in and work hard we will truly realize the fruits of our labors. We clearly face the added challenge this year of financial difficulties. But budget cuts cannot reduce the innate capacity of Penn State's talented academic community to learn and achieve. Should fiscal challenges seriously distract and deter the academic effort that is the life of this great



Joab Thomas addresses the university community.

Photo: Greg Grieco

lost. We have scarcely scratched the surface of the possibilities higher learning unfolds. The faculty and staff of Penn State University increasingly represent one of the greatest resources of this Commonwealth. As we look to the future, our student body could represent an even greater resource.

Given the crucial importance of our continuing success in the classroom, in the laboratory, and—reflecting Penn State's landmark mission—in the field, the foremost priority of this University remains academic quality. The high value we give to this quality, and our willingness to work hard to enhance it will see Penn State through this challenging time.

### Continuity and Change in the University's Course

The academic calendar may be cyclic in nature, but the path universities, and indeed we humans, make through his-

tory is neither cyclic nor straight. It has occurred to me that the best metaphor to describe this path is a giant spiral, similar in shape to one of the fundamental molecules of life itself, DNA. Our path through time has many cyclic characteristics but in its course never returns to the same point.

Following a spiral path would, of course, place us always at a great turning point and yet always facing a changed perspective on the spiral's arc. A spiral also would account for the many ups and downs institutions and society experience. A spiral perhaps would even explain the dizzying effect of the rapid pace we have maintained in recent years—the dizzying effect that is part of the phenomenon so dramatically described as future shock.

The image of the spiral conveys both continuity and change, themes that are especially salient to me as I contemplate the state of our University in the 1992-93 academic year. Penn State—like other universities—finds itself at another of those turning points in higher education in the United States. But we also find ourselves continuing long-standing traditions that give critical form and substance to this University.

As you know, colleges and universities nationwide are restructuring dramatically in response to financial pressures. In our case, the cut in the state appropriation this year—the first permanent cut

See "President's address" on Page 3

DIVERSITY

## Comprehensive Studies Program hones students' skills

College is a lot more demanding than high school, but fortunately, a highly individualized program at Penn State gives more than 350 students in the state-wide Equal Educational Opportunities Program a chance to enroll at the University Park Campus and to succeed in college classes.

"Penn State's Comprehensive Studies Program helps students with the potential and motivation for higher education develop the academic skills they will need to graduate from college," Howard Wray III, assistant dean for undergraduate education, said.

Recently funded by \$396,600 Act 101 three-year grant from the Pennsylvania Department of Education, the program offers in-depth classes and counseling. Students may continue in the program throughout their college career.

"Formerly known as the Developmental Year Program, the program is funded at the highest level granted by the state because of its commitment to minority and non-traditional student programming," Mabel Lee, director, said. "The name was changed this year to better reflect the continuing

services students can receive, from a freshman summer program through graduation."

In addition to individual counseling and academic advising, students take classes in math, English and speech communications according to their needs. Some classes prepare students for regular credit courses and others completed successfully offer credits toward graduation.

Each summer, a few Comprehensive Studies Program students are selected to attend the tuition-free Institute for Academic

Achievement, a six-week head-start program tailored to the individual needs of incoming freshman.

With small-group tutoring, a freshman orientation seminar, counseling and after-dinner study hours, institute students also earn six college credits in beginning-level courses to relieve some of the pressures of their freshman year. They also have upperclass student mentors to help them adjust to college life.

Last month, 12 students completed the program and have begun their studies at the University.



Native American singer Bill Miller displayed his unique blend of popular and folk music for new students recently during orientation week at University Park. The entertainer helped introduce listeners to his rich heritage.

Photo: Greg Grieco

## Safety and self-defense is topic of meeting

"Personal Safety and Self-Defense for Women" will be the topic of the next public meeting of Professional Women at Penn State on Tuesday, Sept. 29.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Memorial Lounge of Eisenhower Chapel with an opportunity for informal networking. The speakers, Donald Reed, Penn State police service officer, and John Fritz, head wrestling coach and instructor in sport and exercise science, will begin at 12:10 p.m.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group welcomes attendance from men and women in all job and student classifications at the University.

### DIVERSITY OPPORTUNITIES CALENDAR

#### Thursday, Sept. 10

The State College Branch of the American Association of University Women opens its 1992-1993 season of public meetings with a presentation by Will Moreau Goins titled "A Native American's Perspective on the Quincentennial" at 7:30 tonight at the State College Women's Club, 302 S. Allen St., State College.

The program is designed to heighten awareness of Native American culture especially during the quincentennial celebration of Columbus' arrival in America.

Mr. Goins, a doctoral candidate in educational administration at the University, will discuss various perspectives on the quincentennial as well as reviewing issues specific to Native American women.

#### Tuesday, Sept. 15

Project Growth, "Let's Talk: Racism at Penn State." Student-to-student discussion, 8 p.m., HUB Assembly Room. Facilitator: Citanjali Saluja.

## Women in Science and Engineering Conference to generate interest in retaining and recruiting women

The first Women in Science and Engineering Conference sponsored by the Committee on Institutional Cooperation, will be held Oct. 1-4, at Indiana University, Bloomington.

Penn State's CIC WISE Team consists of 25 delegates, including students, faculty, and staff from several campuses and colleges. The CIC is the academic consortium of the eleven Big Ten universities and the University of Chicago.

"Women are an integral part of the American effort to remain internationally competitive in science and engineering," John A. Brighton, executive vice president and provost, said. "We must convince more women that it is exciting to study science and engineering at all levels and that there are careers for women in science and engineering."

"We also must discover ways to retain women in science and engineering, both as students and as researchers and scientists," says the Women in Science and Engineering Conference is to develop both institutional and consortial action plans to increase the recruitment and retention of women in the sciences, engineering and mathematics. Another goal is to spark the establishment of networking among women scientists and engineers and provide role models and mentoring relationships.

Conference costs for all delegates are being paid by the CIC which has raised approximately \$100,000 from government agencies and corporate sponsors for this purpose.

Penn State faculty members who are delegates include: Dianne Common, department head, Curriculum and Instruction; Renee Diehl, associate professor of physics; Donna Hughes, instructor in women's studies; Mary Jane Irwin, head,

Computer Science; Abbas Labbauf, associate professor of chemistry, Penn State McKeesport; Janice Margle, assistant professor of engineering, Penn State Ogoritz; Janet May, instructor in mathematics, Penn State DuBois; and Girija Subramaniam, assistant professor of chemistry, Penn State Hazleton.

Delegates from the University's staff are: Nichole Anderson, research assistant, Applied Research Lab; Corinne Caldwell, campus executive officer; Penn State Mont Alto; Sabrina Chapman, director, Center for Women Students; Candace Davison, reactor supervisor, Breazeale Reactor; Sharon Jadrnak Luck, director, Women in Engineering Program; and Carol Ward, assistant director for admissions, Penn State Great Valley.

Delegates who are graduate students include: Christian J. Foster, science education and director of the New American Scientist Initiative; Naimi Krishnakutty, chemical engineering; Winnie Lambert, meteorology; Terry Melton, anthropology/genetics; Andrea Elyse Messer, anthropology and science and research information officer, Public Information; Carmen Monserrate, industrial engineering, and Vegavahini Subramanian, sociology.

Undergraduate student delegates are: Robin DeCarli, industrial engineering; Amy Ilgen, biology/genetics; Kimberly A. Smith, biology; and Falecia Stuckey, engineering.

Alternate delegates are Linda Clark, DUS/Science, and Adelle Proctor, associate professor of communication disorders. Conference presenters include Dr. Brighton; Mary Frank Fox, associate professor of women's studies/sociology; and Londa Scheibinger, associate professor of women's studies/history.

### CARPPOOL

Sheila is looking to carpool from the Phillipsburg/Osceola area to University Park. Office is located on Allen Street. Work hours are 8 a.m. to 5 p.m. Call 865-8367 or 339-6916.



# President's address

Continued from Page 1

since 1933—most certainly gives a different perspective from this arc of the spiral.

The \$9.5 million permanent reduction in our state appropriation for this year follows mid-year cuts sustained in each of the last two years of \$12.6 million and \$9.2 million respectively. Furthermore, the tuition increase for this year was kept to 5 percent in response to the serious and legitimate concerns of students and their parents.

Obviously, Penn State is entering this academic year leaner than it has been in many years, and this is compounded because Penn State has long been a leaner institution than most of its peers.

Change is inevitable in addressing our financial situation. Some of the changes already made are temporary, short-term measures to stretch available resources. These actions include the hiring freeze implemented last March. There currently are about one thousand vacant positions University-wide, freeing up resources for reallocation. All units, with the exception of the University Libraries, were required this year to reallocate 3 percent of their budgets generating budgets to address our funding shortfall.

Another measure I view as temporary concerns the very modest salary increases granted this year. I want to state clearly my strong hope that this year is an aberration in regard to state appropriations and salary increases. We have not changed policy on merit pay increases. In years ahead, when funds are again available, Penn State will indeed reward performance more generously.

Turning now to change in the longer term, I would like to discuss briefly the work of the University Future Committee. This group was charged last spring to provide the framework for the difficult decisions that must be made to use our limited resources effectively. The Future Committee has been meeting weekly to address this difficult task. The committee has already met with the heads of academic and support units to review strengths, weaknesses, and priorities. In addition, Dr. Brighton, who chairs the committee, has written to all University personnel seeking ideas and suggestions toward this effort. The Future Committee also is holding numerous public meetings, with hearings at every campus and in every academic college as well as at several general locations. I encourage all members of the University community to contribute to this process, either in person or in writing.

We do not expect final recommendations from the committee for several months. I have asked that the committee's recommendations address ways to maintain Penn State's academic strengths, ways to further invigorate programs on the verge of national distinction, and ways to continue critical support services. This investment strategy most certainly will narrow Penn State's focus. It must, at the same time, sharpen the University's focus on academic quality.

In contemplating the changes that are an inevitable part of our future, it is important to also remember the continuity in Penn State's course. Teaching, research and service remain—and will remain—the central mission of this University. The perspective and balance gained by our steadfast commitment to these fundamentals should help keep future shock at bay as the Future Committee proceeds.

As I have noted, the immediate impetus for change at Penn State results from financial problems that are serious and real. But one of the root causes of these fiscal problems is an erosion of confidence in almost all institutions in this country, including higher education. Nobody will likely contend that this was the more compelling reason for my response. Some writers have suggested that higher education no longer serves effectively the Jeffersonian principle that education is essential to the success of a democracy. I dispute that contention vigorously. Higher education serves very effectively that role. The growing complexities of our societies make edu-

cation ever more critical to the success of democracy, not only in this country but worldwide.

The election year has made clear the American public's dissatisfaction with a wide range of institutions that serve us. Such questioning and concern are not in themselves unhealthy. However, they are easily counterproductive when they fail to stimulate constructive action. There are, in my opinion, three critical steps we can take to restore confidence in our institutions, including particularly the University:

- First, we must speak up and speak clearly about what is indeed working, even though we are criticized by some for emphasizing our successes.
- Second, we must pull together for the common good.
- And third, we must insist on the highest standards of performance.



***"We clearly face the added challenge this year of financial difficulties. But budget cuts cannot reduce the innate capacity of Penn State's talented academic community to learn and achieve."***

## Communicating our Worth

Nearly two thousand years ago, Plutarch observed that "bad news travels fast and far." In this age of information technology, bad news travels even faster and farther. Good news, it seems, rarely travels at all.

It is ironic that in this environment we are criticized by some for drawing too much attention to our successes. I have stated on other occasions my belief that the public is not fully aware of Penn State's achievements and contributions. If our constituents understood the University better, most certainly they would be more supportive of an institution that represents a major source of hope for the collective future of this Commonwealth. We must find ways of communicating better the substance and import of the work of our academic community. There is no shortage of good news to report about Penn State,

even in this troubling time for higher education.

## Undergraduate Education

I have been pleased to see the strong response of the colleges, the University Faculty Senate, and the support units to concerns about undergraduate education. Many of these bodies are in the midst of implementing important teaching initiatives. Some are broad-based curricular efforts, others are more narrowly focused on specific courses or programs.

Important themes are emerging and being reinforced from activities in undergraduate education University-wide. A significant theme is emerging from the enlarging body of data from which we must see and understand the world. As you know, a diversity component of general education is now in place. The international dimension of the curriculum also is being strengthened and must be further strengthened. Examples here include the addition of an international option to all majors in the Smeal College of Business Administration, and the College of the Liberal Arts, new, computerized, multimedia approaches to enhance foreign language instruction.

I am particularly pleased to note that Penn State has been recognized many times for leadership in using information technology in teaching. Faculty members in such areas as English, Spanish, economics, landscape architecture, engineering, and business, in large part because of the concern of our academic computing staff, received national recognition and awards this past year for instructional applications of information technology.

It has long seemed to me that teaching at almost all levels has been stuck in an era when the teacher was the primary source and the transmitter of knowledge. In contrast, the reality of today's students is that they are readily available and a knowledge base that is growing exponentially. In most situations it is no longer appropriate, or even possible, for the professor to lead the bulk of course content. Increasingly the teacher guides and mentors students who are learning from a wide variety of primary and secondary sources. A partial explanation of the concern we have seen over the quality of undergraduate education may be found in the present transition from traditional teaching models to the various new models that are emerging. We are still in the early stages of this transition and it will not be a smooth one. The computerized classroom is but one very useful learning tool in this transition, and we can be proud of Penn State's leadership in this area. The much larger area of telecommunications must become an increasingly high priority for Penn State. Given our organization and our mission, it is imperative that we move boldly into fuller use of this technology.

The role of the teacher may be changing, but the importance of good teaching is greater than ever. It is my observation that sensitivity to the quality of teaching at Penn State has heightened. This sensitivity is apparent in the discussions of the Faculty Senate, in the promotion and tenure review process, and in my conversations with both faculty and students. It is also apparent from these conversations that although we are good, we can be even better.

The modest new investment to support course improvement proposals and teaching awards is showing good returns. As funds are available, we will want to do more in this area. In addition, a new program to recognize collaborative teaching efforts through a small permanent salary increase was implemented for the first time last year. A total of 10 projects involving 125 faculty members were submitted for consideration. Ten projects, involving 68 faculty members, were selected to receive support.

All of these efforts—and the many others too numerous to mention—attest to the vitality of undergraduate education at Penn State. As you know, a presidential Commission for Undergraduate Education was established last year to help keep this considerable energy focused and strong. The work of this Commission is well under way.

Perhaps the best news about undergraduate teaching at Penn State lies in the successes of our students. Last spring, one of our students received a Truman Fellowship Award and three students received

# President's address

Continued from Page 3

Goldwater Scholarships. All of these winners, as well as an encouraging number of other students who pursued such awards, were assisted by the newly established Undergraduate Fellowship Office. We must encourage and help more students to gain access to these marvelous opportunities. Our students compete extremely well for these awards.

The enhanced focus on undergraduate research also has shown encouraging results. At the National Conference on Undergraduate Education held last spring at the University of Minnesota, 39 Penn State students made presentations—more students than from any other participating institution with the exception of the host institution. In late July, I attended a poster session presented by the Hughes Research Fellows, all undergraduate students involved in research in the Life Sciences. I talked with each student individually, and although some of the work was outside my area of research in biology, exposure to the intellectual vigor and commitment of these students was among my most rewarding experiences of the entire summer.

## The Complementarity of Teaching and Research

These last items speak to one of the highest priorities I hold for Penn State: strengthening the complementarity of teaching and research. I want to reiterate today the tremendous advantage Penn State's research environment brings to all members of our academic community. This advantage was well described some years ago in a wonderful lecture by Yaroslav Felikhan, professor at Yale University, titled "How to Carry On Your Private Education in Public—and Get Paid for It." Considering the faculty benefits of institutions such as ours he said, "The progress of research and the process of teaching are, for the professor, the rhythm of the intellectual life, by which alternating between verification and communication, between the library or the laboratory and the classroom or the press, we test the results of our study."

From the student perspective he noted that "...especially for our undergraduates, it is not that because the 'why' of things is more important to know than the 'what,' the 'how' of research is more important to teach than the 'what...we have done them a disservice if we have not communicated to them the curious blend of confidence and skepticism that underlies that 'how.'"

As Professor Pelikan suggests, both faculty and student learning within the research university environment is distinctive. Unfortunately, this is a point often misunderstood. It is an area where we need to be especially articulate about Penn State, to develop more fully an appreciation of the University's contributions.

That appreciation is all the more important, given a noticeable shifting in the environment for research. Global change, and the state of the national economy are reshaping national research priorities. I am confident that Penn State will find

new opportunities within this environment and continue to realize the strong momentum that has characterized the University's research activity for many years. I am pleased to report that momentum was well sustained in the last academic year. New grants and contracts processed last year grew 15.3 percent.

## Capital Improvements

I am pleased to also note that important

***"The library remains my highest priority and I remain deeply concerned that we are still awaiting the release of state funding..."***

steps have been taken toward eliminating the most serious internal constraint for the continuing growth of Penn State research—the space crisis. This space crisis exists University-wide and especially at University Park. It has been addressed by an ambitious capital improvement program that is approved and just over a year ago. This plan, which complements the state's capital funding process, is already producing timely results. It uses the bonding capacity of the University and private fund-raising efforts to move projects quickly. Where possible, such funding sources are being used to leverage dollars from the state.

State capital funding, of course, continues to be important to Penn State. We are still awaiting action on the capital budget request made for the current fiscal year. The highest priorities included in this request are a new library building for Penn State Harrisburg, and at University Park, the expansion of the HUB and Robeson Cultural Center, and a new chemistry building. In addition, we have 33 building projects valued at about \$230 million that have been approved by the legislature and are awaiting release by the governor.

As you know, the governor released funding in the amount of \$34 million for the Convocation and Events Center, to be matched by \$20 million in private funds raised by the University. The convocation center campaign will be completed very soon.

The construction of this facility has been the subject of considerable discussion and misunderstanding in the University community. The Convocation Center has moved forward because of the availability of state funding, the interest of alumni and friends in supporting the project, and the longstanding need for a gathering place commensurate with the size of our University community. The dollars given to this project would not have been available for other purposes. Based on expertise I can predict that once the Convocation Center is completed, the controversy will shift to scheduling demands for the facility.

The library remains my highest priority and I remain deeply concerned that we are still awaiting the release of

state funding for the addition to Pattee Library. Again and again, both in writing and in personal communications, I have offered matching dollars to leverage state funds for this project. The needs of the Libraries—space, materials, and staff—must always be of high priority. We have taken steps toward a fund-raising campaign for the Libraries. As you may know, Coach Paterno, who established an endowment fund for the library several years ago, is now chairing this campaign which is proceeding even though we do not yet have a commitment for release of state funds. I am very pleased to announce that the Richard King Mellon Foundation has made a \$1 million gift to the Libraries endowment at Penn State University. This is the second million dollar commitment to this fund by the Mellon Foundation.

I continue to be optimistic that the Pattee addition will soon be realized. This much-needed facility will be a truly significant milestone in meeting Penn State's academic space needs. In the meantime, there are other visible signs of meeting those needs at University Park, the new classroom building, the marvelous addition to the Palmer Museum, the new music building, the Mater Building for Health and Human Development, and the new Engineering and Earth and Mineral Science building across Atherton Street. At Penn State Behrend, there is a new library and academic building under construction. Among the many new facilities at the Commonwealth Campuses are academic buildings at the Berks and Hazleton campuses and a science and technology center at York, and there has been tremendous development at the Hershey Medical Center. The new construction there in support of biomedical research is already paying dividends. For the first time this year, Hershey led all other colleges of the University in research contracts and grants awarded.

A central component of the capital improvement plan is the renovation and reassignment of space freed up by the addition of new facilities. In all, 16 buildings at University Park are identified in the plan for major renovations. In addition, more than 35 buildings on seven campuses will undergo renovations to improve classrooms, faculty office space and research facilities.

University facilities to be located in the Penn State Research Park are a significant element in the reassignment process. The new conference center will open up Keller Building, and the new R&D lab and technology center will not compete for valuable core campus space. The Penn State facilities to be constructed in the research park will be financed through bonds that will be fully amortized by income generated through various activities in the park. Importantly, these facilities also will provide a nucleus of activity that will be attractive to future tenants of the park.

## Bold Leadership

Of even greater significance are the broader implications of the park's development. The future of our University and the future of the Commonwealth will in large part go hand-in-hand. By virtue of its longstanding mission, it is appropriate and indeed critical that Penn State provide strong leadership at this time. The

Penn State Research Park represents bold thinking about where we can go together. Bold thinking, backed by careful methodology, should be a hallmark of a great university. This is exactly the paradigm behind the planning for the research park.

This public service initiative, and equally strong initiatives in the classroom and research area, are persuasive arguments regarding Penn State's commitment to providing the very best that higher education has to offer. Their persuasiveness can be increased enormously if we as an academic community can pull together on our own behalf.

## Our Sense of Community

The divisiveness of constituency thinking discourages both internal progress and external support. I am suggesting that differences of opinion and even heated debate have no place in our University community. Indeed, a breadth of clearly expressed perspectives is critical to our work. But I would like to stress that in terms of the institution, a sense of community must prevail if we are to have the strength necessary not just to survive the challenges of the times, but to progress in the face of these challenges.

This is especially important in regard to our fiscal challenges. But there are at least two other ways the Penn State community can continue to pull together for the University's future.

The first concerns the complexity of Penn State's organizational structure. The colleges and campuses have many opportunities to work together to pro-

***"Holding tenaciously to high academic standards will be essential in maintaining and communicating these values."***

vide creative solutions to meet the state's educational needs. With input from the Commission on Inter-Campus Issues, which was established last year, Dr. Danforth is working with the deans, CEOs and others in an effort to refine the missions of the Commonwealth Campuses. I have visited every Penn State campus—a number of them several times—and have seen both the strength and flexibility this system gives the University. This unique organizational structure provides an extraordinarily efficient and effective education system, with opportunities to maximize both access and high standards. These qualities are important assets in charting our future course. But to realize their full promise we must overcome the organizational entanglements that come with the institution's complexity. Possibilities such as regionalization or specialization of the campus missions depend on cooperation at the campus and college level. Through such possibilities, the University can strengthen its highly valued relationship with communities around the state.



## Opinions under scrutiny...

Thomas Griffiths, (left) former editor of Life Magazine, and Clifton Daniel, former managing editor of the New York Times, met with journalism students in the School of Communications cinema on Sept. 1. Mr. Griffiths and Mr. Daniel visited University Park to take part in the annual recognition program of the Association of Opinion Page Editors. Along with Jack Lauter, assistant professor in the School of Communications, they judged entries in the annual awards program of the association, which is jointly hosted by the School of Communications and the Department of Public Information.

Photo: Greg Grieco

## Libraries gift

Continued from Page 1

a critically important addition to Pattee Library on the University Park Campus.

"The Richard King Mellon Foundation supports the Paterno Libraries Endowment because it directly benefits scholars and students throughout the University," Seward Prosser Mellon, president of the foundation, said.

"Penn State is a fine institution that has a growing reputation for excellence, in western Pennsylvania and throughout the Commonwealth and nation; the Libraries is an important part of the reason."

The foundation has had a 20-year relationship with the University, supporting other programs in sports medicine, forest and resource conservation, environmental resource research and animal science.

The foundation has had a 20-year relationship with the University, supporting other programs in sports medicine, forest and resource conservation, environmental resource research and animal science.



**The new \$1 million gift will help the University Libraries purchase more than books. The gift can be used to purchase monographs, enhance collections in any discipline, make high-demand materials available in more locations, and provide more access to electronic information.**

## President's address

Continued from Page 4

Another area where the Penn State community has and must continue to pull together is in the ongoing effort to welcome all peoples to our academic community. We are devoting tremendous energy to a multitude of Penn State programs and activities that celebrate our differences while strengthening the common ground of mutual understanding and respect. This process is not always as smooth as we might like, but the momentum is definitely moving in the right direction. As Neil Rudenstine, president of Harvard University, reminds us "the divergent and sometimes conflicting...voices on campus are often signs of vitality and even necessary controversy; of healthy self-assertion; of difficult but essential human growth; of jarring but important moments of sudden discovery and self-discovery...They can also bear witness to sobering events that are painful, disturbing, and even repugnant. But it is precisely this complex inter-mixture of experiences that usually characterizes periods of profound change in life; and I believe that we are indeed in a period of such change."

Like Rudenstine, I believe we are well into a period of positive change with regard to Penn State's academic community. This process of awakening to the importance of mutual respect, cooperation, and collaboration has broad meaning beyond its fundamental concern for human relations. It is directly related to a concern for quality as well.

### The Importance of Quality

This is one of the basic principles underlying the total quality management concepts that are increasingly popular in industry. Most universities, including Penn State, prefer the concept of continuous quality improvement. CQI has many obvious applications on the business side of University operations. We have begun to explore those possibilities through some three dozen continuous quality improvement teams. There are also teams looking at academic applications.

As practiced in industry, total quality management looks to customer satisfaction as the criterion of quality. Consumer satisfaction is important to higher education too, but there are important distinctions. The complex interactions in a university are such that all members, faculty, staff, and students, are involved in varying capacities in teaching, learning, discovery, and service. Thus, members of the community must be viewed as customers and as consumers. Universities do more, however, than satisfy consumers. They also educate them with regard to values and standards—values and standards that shape and even reshape the public's conception of what is quality.

Thus the university's focus on excellence takes on tremendous significance. If we fail to preserve and pass on the values that have served our institutions and nation so well, we fail not only ourselves but also the hopes of the future. These are the values that weigh a delicate balance between community interests and individual rights...that fuse dreams and hard work...that choose reason over emotional response...and that keep a moral edge in the heady wake of success. They are values that elevate a broad range of human endeavors.

Holding tenaciously to high academic standards will be essential in maintaining and communicating these values. In the face of constraints imposed by a reduction in resources, the temptation could become great to lower expectations, saying this is the best we can do. In my view, that response would be the beginning of a slippery slope on which the future of our society would go downhill.

In addition, I worry that the public's demand for proof of higher education's effectiveness could in time erode the quality of the university's enterprise. Obviously we must be accountable. But the assessment movement in higher education has the potential to chip away at the more complex and often serendipitous aspects of learning, leaving us with only the most neatly

measured objectives. I am confident that the higher education community has the creativity to find appropriate means to demonstrate its worth, but as yet we are still wanting for robust measures of our total impact.

### Confidence in Penn State

In the end though, there must always be a leap of faith—the valuing of higher education because it takes us places we simply cannot now predict. This is not blind faith in terms of Penn State, for reasons I have outlined this afternoon. Those who believe in this University see a strong record of accomplishment and continuing initiative on the part of our academic community, including:

- Our enrollments remain strong, reflecting student confidence in Penn State.

- Student achievement is at an all-time high.

- We have made outstanding appointments in the last year in both faculty and staff.

- We received a record \$63 million in private gifts in the last year.

- As I noted previously, new grants and contracts were up 15.5 percent.

- And we have under way the most extensive building and renovation programs in the history of this university.

Finally, on a personal note, as I have become more knowledgeable of the various components of this complex and comprehensive University, I am continuously thrilled and energized by the high quality of so many of our programs and activities. The number of truly world class initiatives at Penn State this University is continuing to grow. Even greater growth is evident in the number of programs that are now on the cusp of national distinction.

This record—and the promise it holds—gives us great cause for optimism for this University's future. If we work together and work diligently to defend the quality of our University through this period marked by both continuity and change, we will emerge ever stronger and better prepared for the next turning point on our exciting spiral into the future.

Thank you and best wishes for a productive and enjoyable year.

### Odyssey on WPSU

In the 1970s, the Berlin Wall was a natural metaphor for East German writers of short fantastic prose, many of whom were women.

On the next Odyssey Through Literature broadcast, "The Forbidden Wall," host Leonard Rubinstein and his guest, Hera T. Leighton of the University of Illinois at Chicago, discuss these writers and their prospects since the destruction of the Wall.

"It was a very challenging way of writing," Leighton says of the East German prose, "in which they didn't describe quality but rather tried to estrange it so that it would make more of an impression on the reader. This was done by trespassing what I would call natural borders of time, space, sex, and species. The Berlin Wall was part of a bigger, more encompassing theme it is, of course, a natural metaphor of division and of trespassing the border."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Featured author

The Penn State Bookstore on Campus will host Scott Adams, author of *Bike Rides from Beaver Stadium*; *An Atlas of Centre County's Greatest Bicycle Rides*, from noon to 2 p.m. Friday, Sept. 11, to sign and discuss his book. An avid cyclist, Mr. Adams created this book to appeal to cyclists of every level from beginner to experienced riders.

*Bike Rides from Beaver Stadium* is the perfect guide to bicycling in Centre County. Its 24 detailed maps, descriptions and directions lead cyclists of all ages and abilities along safe and com-

fortable roads, highlighting the region's scenic beauty, historic landmarks, villages, people and food. Every route conveniently begins at Beaver Stadium traveling in circuits of 5 miles to over 100 miles long, few of which ever cross the same road twice in one ride. Each excursion offers a fresh and unique bicycling trip all the way back to Beaver Stadium.

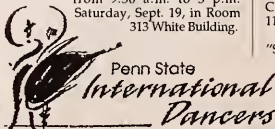
Those who share an interest in cycling or who are thinking of becoming involved in the sport, are invited to meet Scott Adams and discuss his book and cycling experiences at the bookstore.

### Dance workshops

The Penn State International Dancers (PSID), directed by Elizabeth A. Hanley, assistant professor of exercise and sport science, will host George Tomov and Martie Ripson for a Slovenian Workshop from 9:30 a.m. to 5 p.m. Saturday, Sept. 12, in Room 133 White Building at University Park.

George Tomov, originally from Skopje, Macedonia, is director of the Tomov Yugoslav Folk Ensemble in New York City. Martie Ripson, a Penn State graduate and former member of PSID, is music director of the Tomov Ensemble.

PSID also will host a Chinese dance workshop, directed by CHA-Pin Shaw, a Penn State graduate and director of the Chinese Association in Pittsburgh, from 9:30 a.m. to 5 p.m. Saturday, Sept. 19, in Room 313 White Building.



For information on attending the workshops, contact Professor Hanley at 863-3467.

### Trio recital

Pianist Carl Blake will be joined by violinist Joanne Zagst and cellist Leonard Feldman for a trio recital at 4 p.m. Sunday, Sept. 13, in the School of Music Recital Hall at University Park.

The program will feature trios by Haydn, Charles Ives and Beethoven.

Dr. Blake, assistant professor of music and assistant dean in the College of Arts and Architecture, has performed twice at Carnegie Recital Hall in New York City.

The husband and wife duo of Zagst and Feldman are Penn State professors emeriti.

### The arts on Channel 3

"The Ghosts of Versailles," with music by American composer John Corigliano and libretto by American playwright William M. Hoffman, will have its world television premiere at 8 p.m. Monday, Sept. 14, on WPSX-TV Channel 3.

The telecast is the first presentation of the 1992-93 season of the Metropolitan Opera Presents series. James Levine conducts a cast that includes Teresa Stratas as Marie Antoinette, Tracy Dahl as Florestine, Renee Fleming as Rosina and Marilyn Horne as Samira.

### Recognition recital

Eight undergraduates from the School of Music will perform in a jury recognition recital at 8 p.m. Monday, Sept. 14, in the School of Music Recital Hall at University Park.

The performers are students of Dan Armstrong, Eleanor Armstrong, Marylene Dosse, Richard Kennedy, Mark Lusk, James Lyon and Suzanne Roy, all of the School of Music faculty.

### Art history lecture

Anthony Cutler, research professor of art history, will present "Why Do Styles Change?" at 8 p.m. Tuesday, Sept. 15, in 112 Walker Building at University Park.

The lecture is the first in the series, "Scholarly Speculations: Recent Research by the Faculty of the Department of Art History," sponsored by the Department of Art History.

Dr. Cutler has written or edited 10

books, including *The Hand of the Master*, now in production at Princeton University Press and, with Susan Munshower, *The Art of Interpreting, Volume Nine of The Papers in Art History from Penn State*.

He is a Fellow of the Society of Antiquaries and of the Institute for the Arts and Humanistic Studies.

He has been a member of the Institute for Advanced Study at Princeton and three times a Fellow of Dumbarton Oaks, Harvard University's Center for Byzantine Studies in Washington, D.C.



### Season opens

The 1992-93 Center for the Performing Arts season opens with two performances of "Fiddler on the Roof" at 8 p.m. Thursday and Friday, Sept. 17 and 18, in Eisenhower Auditorium at University Park.

The musical is the story of Tevye, a humble milkman caught between his devotion to tradition and a rapidly changing world.

Considered one of musical theater's crowning achievements, "Fiddler on the Roof" opened in 1964 to rave reviews. It is still winning over audiences today with such memorable songs as "If I Were a Rich Man," "Matchmaker, Matchmaker" and "Tradition."

Roaming fiddlers will be featured at a catered reception before the Thursday performance. The reception will begin at 6:30 p.m.

For ticket information, contact the Eisenhower Auditorium Ticket Center, at (814) 863-9255.

### Photo exhibit

An exhibition of photographs by undergraduate students in the photography program of the Department of Art at the University of Florida

at Gainesville is on display in Chambers Gallery at University Park until Oct. 9. The exhibition consists of silver prints, black and white prints, infrared images and manipulated images.

Chambers Gallery is located in Chambers Building. The gallery is open daily, but closed on weekends.



# To be a member...

# THE PENN STATE FACULTY STAFF CLUB

### APPLICATION FORM

Faculty     Staff     Retiree

Accept my \$25 for membership fee. Amounts over \$25 in increments of \$25 will be added to your balance. Purchases at the Inn and meals purchased as part of the Diner's Club will be deducted from your balance. Make check or money order payable to Penn State University. If mailed, sent to: FACULTY STAFF CLUB, Housing and Food Service Building, University Park, PA 16802

Amount enclosed

I.D. Number \_\_\_\_\_  
 Last name \_\_\_\_\_ First \_\_\_\_\_ M.I. \_\_\_\_\_  
 Local address (no. and street) \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_  
 Phone number \_\_\_\_\_  
 Club member signature \_\_\_\_\_

Office use only

# University Park Calendar

Sept. 10 — Sept. 20

## SPECIAL EVENTS

Thursday, Sept. 10

■ International Lecture Series, 9:30-11 a.m., 222 Boucke. Timothy Diemer; Roxana Ma Newman, ITMMUCIA Cooperative Program in Malaysia, on "Indiana University's Program in Malaysia: Penn State and other MUCIA Faculty Participation."

Friday, Sept. 11

Talk, 1:30 p.m., 112 Walker. Richard H. Matzke, Chevron Corp. and Chevron Overseas Petroleum, on "How Present Day Realities in the Petroleum Industry will Impact Future Operations;" and Thomas H. Wentzler, Tetra Tech., on "Processing Technologies in Environmental Cleanup," at 3:30 p.m., 301 Steidle.

Saturday, Sept. 12

■ Penn State International Dancers workshop, 9:30 a.m.-5 p.m., 133 White. Hosts: George Tomov, dir. of Tomov Yugoslov Folk Ensemble; and Marlie Ripson, music dir. for the Tomov Ensemble.

Sunday, Sept. 13

School of Music, 4 p.m., Recital Hall. Piano Trio.

Monday, Sept. 14

School of Music, 8 p.m., Recital Hall. Jury Recognition Recital

■ German film, 8 p.m., 106 Wartik. Rheingold (1977). Free.

Tuesday, Sept. 15

Talk, 8 p.m., 112 Walker. Anthony Cutler on "Scholarly Speculations: Why Do Styles Change?"

Thursday, Sept. 17

Bach's Lunch concert, 12:10-12:30 p.m., Eisenhower Chapel.

Lecture, 7:30 p.m.

John Truxal, SUNY, Long Island, with a lifetime experience in Eng. and Eng. Education. Author of *The Age of Electronic Messages*. Center for the Performing Arts, 8 p.m., Eisenhower Aud. Fiddler on the Roof. Also Sept. 18.

Saturday, Sept. 19

■ Chinese dance workshop, 9 a.m.-5 p.m., 133 White. Director Chia-Pin Shaw, of Chinese Assoc. in Pittsburgh.

## CONFERENCES

Sept. 14-16. DER Mining and Reclamation; 180 attendees; local hotels/motels; Bob Frantz, chair; Roger Maclean, coordinator.  
Sept. 14-18. PE Exam Review Course; 22 attendees; Nittany Lion Inn; R.V. Ramani, chair; Roger Maclean, coordinator.

Sept. 15. PA Bar Institute; 5 attendees; Shirley Hendrick, chair; Jem Milson, coordinator.

Sept. 15-17. Maintenance of Commercial Vehicles Phase A; 15 attendees; Nittany Lion Inn; D. Smith, chair; Eric Loop, coordinator.

Sept. 15-17. Four Nations Social Policy; 40 attendees; Nittany Lion Inn; M. Coleman,



**Pianist Carl Blake** (center) will be joined by violinist Joanne Zagsi (left) and cellist Leonard Feldman for a trio recital Sunday, Sept. 13 at 4 p.m., in the School of Music Recital Hall at University Park.

chair; Bill Stemer, coordinator.  
Sept. 16-18. Railway Labor Act Institute; 30 attendees; Days Inn; Gilbert Gall, chair; Bill Stemer, coordinator.

Sept. 17. High School Yearbook Seminar; 130 attendees; local hotels/motels; E. Patrick, chair; Jem Milson, coordinator.

Sept. 18. INTERNET Workshop; 50 attendees; local hotels/motels; Nittany Lion Inn; D. Smith, chair; Kathy Karchner, coordinator.

Sept. 20-22. Schools for the 21st Century; 50 attendees; Nittany Lion Inn; O. Krnade, chair; Jack Sinclair, coordinator.

## SEMINARS

Thursday, Sept. 10

Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Susan Puhall on "Plasticity and/or Intervention in the Aging Process;" and "Exercise in the Older Adult."  
Industrial and Management Systems Eng., 4:30 p.m., 314 Hammond. T.C. Chang, Purdue

Remote Sensing Center, Stennis Space Center, on "Real Time Environment and Agricultural Monitoring from Aircraft and Spacecraft."

Tuesday, Sept. 15

Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. John F. Brady, Calif. Inst. of Tech., on "Structure, Diffusion and Rheology of Colloidal Dispersions." Refreshments, 2:45 p.m.

Graduate Program in Nutrition Colloquium, 4 p.m., S-209 Henderson Bldg. South. Ronald Krauss, Univ. of Calif., on "Genetic Influences on The Lipoprotein Response to Dietary Fat."

Wednesday, Sept. 16

Eng. Science and Mechanics Emch 514, 3:35 p.m., 314 Hammond. S.B. Kruparidhi on "The Discovery of Ferroelectricity."

Thursday, Sept. 17

A.L. Bortree Lecture Series, 8:45-9:45 a.m., 118 Ag Sciences and Industries. Bruce Glick, Clemson Univ., on "Bursal Secretory Gland Cell: A Rural Microenvironmental Cell." Refreshments, 8:30 a.m.

Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. David Egebeben on "Aging in the 21st Century," and "Rural and Urban Differences in Adult Well Being Over the Life Course."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Deborah Davis, Systems Modeling. Refreshments, 4:15 p.m.

Friday, Sept. 18

■ Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Owen Caron, TEAGASC, Ireland, on "Aspects of Irish Environmental and Grassland Research at Johnstown Castle."

## EXHIBITS

Chambers Gallery

"Photography Exchange," works by undergraduate students from Univ. of Florida, through Oct. 9.

Kern Gallery

Len Siebert, "Through a Lens's Eye," collection of photographs taken in the 1970s, through Sept. 25.

Pattee Library

Main Lobby:  
"Treasuring the Libraries: The Preservation Problem," through Nov. 9.

Zoller Gallery

■ Prints from the permanent collection of the Frans Masereel Center for Printmaking, Kasterlee, Belgium, through Sept. 25.

■ Reflects an international perspective

## PENN STATERS

Stanley Baker, professor of education, with co-authors Thomas Daniels, Memorial University of Newfoundland, and Ann Greeley, has received the Research in Counselor Education and Supervision Award from the Association for Counselor Education and Supervision.

Louis Campbell, assistant professor of education, has received the 1992 Distinguished Dissertation Award of the Association of Teacher Educators.

Mark J. Gullinan, assistant professor of plant molecular biology with a joint appointment in the Department of Horticulture and the Biotechnology Institute, has received a five-year

\$600,000 grant from the National Science Foundation for his project "DNA Recognition by Basic-Leucine Zipper Proteins." He will analyze how EMBP-1, a wheat DNA binding protein involved in controlling gene expression, interacts with DNA sequences.

Daniel R. Hagén, associate professor of animal science, has received the Young Scientist Award from the Northeast Section of the American Society of Animal Science for his contribution to the animal industries in teaching and research.

Austin J. Jaffe, holder of the Philip H. Sieg Professorship of Business Administration, conducted an invited

Refreshments, 4:15 p.m.

Friday, Sept. 11

School of Forest Resources, 1:25 p.m., 105 Ferguson. Phil Craul, Syracuse Univ., on "Urban Soils: Tree Planting Problems in the Cities"

Plant Pathology, 1-2:15 p.m., 112 Buckhout. Nevyn Young, Univ. of Minnesota, on "Use of RFLPs to Identify Plant Disease Resistance Genes." Also 2:30-3:30 p.m., 106 Wartik.

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. George May, State

seminar, "Techniques of Modern Real Estate Financial Analysis," at Tel Aviv University in Israel. Dr. Jaffe, research Administration's Institute for Real Estate Studies, also spoke on emerging trends and new techniques of real estate analysis at a meeting of the Israel Land Valuers Association.

Kathryn Keams, assistant professor of exercise and sports science and coordinator of the dance program at the Penn State Ogonig Campus, served as director of the Creative Arts Day Campus at the Island Center for the Performing Arts on St. Croix, Virgin Islands.

Barry Kur, associate professor of theatre

arts and director of actor voice and speech training, has been elected to a two-year term as president of the Voice and Speech Trainers Association. Established in 1967, the association is committed to the practice and encouragement of the highest standards of voice and speech use in the artistic, educational, business, and professional worlds.

Paul S. Weiss, assistant professor of chemistry, gave a talk, "What is Underneath? Moving Atoms and Molecules to Find Out," at the NATO Advanced Research Workshop on Manipulators of Atoms in Lyon, France.

**FACULTY / STAFF ALERTS**

**Courses for faculty and staff**  
The Human Resource Development Center has openings in the following courses. Call the center at 863-3410 for registration information.

**Facilitation Training For CQI** Learn skills necessary for group facilitation; managing the group process; encouraging participation, and understanding and appreciating communication styles/differences. Meets on Tuesday, Sept. 29, from 9 a.m. to 4 p.m.; cost: none.

**SPEC Update** A follow-up presentation on the new Staff Position Evaluation and Compensation (SPEC) Program for those who were unable to attend earlier presentations. Meets on Wednesday, Sept. 30, from 9 to 11 a.m. for those who supervise others, and 2 to 3:30 p.m. for non-supervisors.

**Team Building for CQI (Shaver's Creek Environmental Center)** Work together on group activities that lead to building a team by participating in a sequence of indoor experiences and discussing the transfer of learning to CQI. Meets on Wednesday, Sept. 30, from 9 a.m. to 4 p.m.; cost: \$85.

**IBIS Intro To The Wage Timecard (WAGC)** Provides complete instructions on how to use and process an electronic wage timecard form in IBIS. You will receive an overview of the electronic procedure, including a discussion of approval paths, use of the Auxiliary Accounting Bridge, and methods for retrieving, changing and submitting the form. Meets on Monday, Sept. 28, from 1 to 5 p.m.; cost: \$40.

**Introduction To IBIS (Integrated Business Information System)—IBM** Covers the basics of IBIS; how to create and approve electronic forms; how to recall a form from the IBIS database; how to act as a proxy approver, plus all the basic IBIS commands. Participant must have a user ID and password for an Office of Administrative Systems mainframe system. Meets on Wednesday, Sept. 30, from 1 to 4 p.m.; cost: \$50.

**WordPerfect Complete**—Will take you from being a new user of WordPerfect to creating professional-looking documents. Work with creating memos, reports, and letters, then move on to multi-column documents, newsletters, and mail merge. Prerequisites: Introduction to DOS or equivalent. Meets on Sept. 28, 30, and Oct. 2, from 8 a.m. to noon; cost: \$135.

**Introduction to Macintosh** Work with the basics of creating, saving and deleting files, and work briefly with MacPaint and Microsoft Word. Meets on Monday, Sept. 28, from 8 to noon; cost: \$70.

**Brochure misprint**  
Recently, copies of a brochure titled, "University Policy on Confidentiality of Student Records: Compliance Guidelines for Faculty and Staff," were mailed to all faculty and staff at all university locations. We have discovered that a small percentage of these brochures were misprinted. Individuals receiving the misprinted brochure may contact Undergraduate Education at 863-1864 to receive new copies.

November 18

# State College mayor to be honored at Renaissance Fund dinner

State College Mayor Arnold Addison will be honored at the 16th annual Renaissance Fund dinner Nov. 18 at the Nittany Lion Inn at University Park.

The dinner helps to raise funds for Penn State's Renaissance scholarships. The University will establish a scholarship in Mayor Addison's name for every \$15,000 received. The awards benefit financially needy students who have strong academic records.

Since 1969, the Renaissance Fund has raised nearly \$2.5 million and benefited some 843 students.

"Arnold Addison personifies the very best qualities of a community leader, and we're extremely proud to honor him," Barbara Palmer, president of the Renaissance Fund's board of directors, said. "His life story—including his many years of dedicated public service—is truly inspirational. Arnold's imprint on the borough and on town-gown relations will be felt for many years."

Mayor Addison has been active in local government for the past 37 years. He is serving his fourth term as mayor, a post he has held since 1978—a

to Charleston, W.Va. Arnold enrolled in the University of West Virginia, where he met his future wife, Nancy Neel Coffman, and held jobs as a janitor, waiter and sales clerk to finance his education. By 1939, he had earned both bachelor's and master's degrees in political science. He later worked in personnel administration for the federal government and RCA before coming to Penn State.

Early in his public service career, he served on the State College Recreation Board and later chaired the borough's police civil service commission, which is widely credited with professionalizing the police force. He was first elected to borough council in 1959.

Mayor Addison also helped to organize the Centre Region's Council of Governments (COG), and is the sole remaining charter member of COG who still holds public office. He also was a board member and president of Pennsylvania Association of Boroughs and the Susquehanna Economic Development Authority, and is on the Board of Directors and a past president of the state



Mayor Arnold Addison

Photo: Greg Grieco

longer tenure than that of any of his predecessors in the borough's 96-year history. He also served as a member of State College borough council for 18 years, including two years as council president.

He came to State College in 1948 as personnel director for what is now the Applied Research Laboratory. He later held a joint appointment as personnel director at the ARL and professor of industrial relations in the College of Engineering, and retired as professor emeritus in 1978.

A native of Liverpool, England, Mayor Addison was eight years old when he and his mother emigrated to join his father, then working as a pipe fitter in Niagara Falls, N.Y. His family lost nearly everything during the Great Depression and eventually moved

Association of Mayors of Boroughs of Pennsylvania.

Arnold and Nancy Addison have three daughters—Carol, Judy and Gail, all of whom are Penn State graduates.

The dinner will begin at 7 p.m., preceded by a reception at 6 p.m. Master of ceremonies will be David R. Schuckers, special assistant to the president for governmental affairs. Speakers will include Henry Yeagley Jr., of State College and President Thomas.

For more information about how to obtain dinner tickets and make scholarship gifts, contact the University's Office of Annual Giving at 863-2052.

## An open letter from President Thomas

Since early last spring, a United Way Steering Committee has been hard at work planning the 1992-93 Penn State United Way Campaign. Despite some negative publicity at the national level and controversy concerning agencies eligible for funding locally, the Steering Committee is optimistic and enthusiastic regarding the coming campaign.

The national organization has taken the appropriate corrective actions; and, on the local level, contributors to United Way have four options regarding their gift.

They may contribute to the general campaign, contribute to a service area, contribute to a specific United Way agency, or contribute to a non-United Way agency which meets certain criteria. In addition, Penn State employees who commute from outside their campus region may designate their home county as the recipient of their gift, with the Penn State Campaign receiving credit.

The Steering Committee has chosen "Team Penn State" as the slogan and unifying concept for the campaign. Students, faculty, staff,

and retirees are united in the team concept. Students are involved to a greater extent this year with contests and events planned to increase their participation. Penn States will be involved in an active campaign this year.

And we must: for our own campus family and for our neighbors in the Centre Region and around the Commonwealth

**"... those of us who are employed by Penn State must do more to help those who are ... less fortunate."**

President Thomas

who need our help this year as never before. As funding from federal and state sources shrinks; as programs and agencies are forced to curtail their activities, and as many segments of the

economy remain in need of rejuvenation, those of us who are employed by Penn State must do more to help those who are, in one way or another, less fortunate.

I look forward to joining you in participation in a number of Penn State United Way activities, and I, in turn, urge you to join me in making this year's United Way Campaign the best ever. Be a part of the team — "Team Penn State."

Joab Thomas  
President

## University Future Committee



**Barton Browning**, associate professor of German (left), and **Harry Alcock**, Evan Pugh Professor of Chemistry, members of the University Future Committee, took part in one of three dozen public meetings committee members are holding during September. This meeting, which took place in Kern Auditorium on Sept. 3, was the first meeting held at University Park. Committee members are spending the month visiting all Penn State locations around the Commonwealth and each academic college. In addition, they are holding general meetings at various University Park sites and have taken part in a day-long series of meetings sponsored by undergraduate student government. Faculty, staff and students are presenting their suggestions to the committee during these meetings. (Photo: Greg Graeco)

## Blood drive continues at University Park

The Centre Communities Chapter of the American Red Cross continues its fall blood drive program this week on University Park Campus at Kern Graduate Center, Monday, Sept. 14 from 10 a.m. to 4 p.m. All healthy faculty/staff are encouraged to donate blood. For information call 1-800-54-BLOOD.

Donors can give blood every 56 days. September donors will again be eligible to donate blood in November, to help celebrate the 10th Annual Pitt-Penn State Blood Donor Challenge.

## Alumni Fellows to visit various University locations

### Penn State Harrisburg

Walter F. Ulmer Jr., president and chief executive officer of the Center for Creative Leadership, has been named Penn State Harrisburg's 1992 Alumni Fellow.

The Center, an international non-profit educational institution, is devoted to behavioral science research, executive development and leadership education. In his presentation and reception in the Capital Union Building at 7 p.m. Tuesday, Sept. 22, Mr. Ulmer will address "Leadership within American Society: Can It Rise to the Challenge?"

Mr. Ulmer is a graduate of the United States Military Academy and holds a master's degree in regional planning from Penn State Harrisburg. He is the author of articles on leadership and is a frequent lecturer on the role executive behavior plays in large and complex organizations. His major interests are in the study of organizational climates—their development, measurement and sustenance.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

### University Park

Two Alumni Fellows — **D. Rodney Chamberlain**, academic dean of the Milton S. HERSHEY School, and **Harry J. Hartley**, president of the University of Connecticut — will visit in the College of Education at University Park Sept. 11-15.

Dr. Chamberlain is a two-time graduate of Penn State, with a 1982 master's degree in teaching and curriculum from Penn State Harrisburg

and a 1987 D.Ed. degree in curriculum and supervision from the College of Education. He holds a B.S. in elementary education from Elizabethtown College.

Dr. Chamberlain joined the faculty of the Milton Hershey School in 1975, where he taught language arts, remedial reading, arithmetic, English and social studies. In 1987, he was named curriculum coordinator for grades pre-kindergarten through 12. In 1990, he was selected assistant to the president, and in 1991, he was named academic dean.

His professional affiliations include the American Association of School Administrators, the Association of Supervision and Curriculum Development, and the American Educational Research Association.

Dr. Hartley is a 1964 doctoral graduate of the educational administration program in the College of Education. His additional degrees include a 1958 B.A. in economics from Geneva College and a 1959 master of arts in economics from the University of Pittsburgh.

Dr. Hartley has served as the 12th president of the University of Connecticut since July 1990. He served for seven years as a vice president, three years as an academic dean and he is in his 20th year as a professor there. He is the only professor at the University of Connecticut to receive the rank of University Professor, bestowed upon him by the Board of Trustees during his presidential inauguration.

Before joining the faculty of the University of Connecticut, Dr. Hartley was a professor at SUNY-Buffalo for two years and an academic administrator at New York University for six years. He has published articles on educational finance and time management in more than 50 journals; written a book for Prentice-Hall on program budgeting and served as a management consultant in 41 states and six countries.



Walter F. Ulmer Jr.



Harry J. Hartley



D. Rodney Chamberlain

APPOINTMENTS



Joyce R. Buck

Joyce R. Buck has been appointed the Division of Undergraduate Studies program coordinator for the College of Arts and Architecture.

Since 1988 Ms. Buck has been the associate director of undergraduate admissions for the College of the Liberal Arts and School of Communications. From 1986-1988 she was the DUS programs coordinator for the College of the Liberal

Arts and the School of Communications.

Ms. Buck has taught numerous composition courses for the English Department. She also advised liberal arts students for that department for five years. She holds a B.S. degree in chemistry and education from SUNY Cortland, and an M.S. in educational psychology from Penn State.

Her role in the College of Arts and Architecture involves broad responsibilities for academic advising and information for the college.

Cherene Holland has been named managing editor of The Penn State Press.

Ms. Holland joined the Press in 1985 as copyeditor and was promoted to senior copyeditor in 1987.

A graduate of Penn State with bachelor's and master's degrees in English, she worked for numerous trade and scholarly publishers prior to coming to the Penn State Press.

Kathy Kling has joined the Penn State Altoona Campus staff as a student activities assistant in the Office of Student Programs and Activities.

Ms. Kling earned a B.S. in communications at Clarion University and worked for several years for American Express in Florida. For the last three years, she has worked at the University Park

Campus as a laboratory coordinator for the School of Communications.

Moylan C. Mills, professor of integrative arts at the Penn State Ogontz Campus, has been named head of the Department of Integrative Arts in the College of Arts and Architecture. He is the first faculty member in the history of the University to administer a major department from a Commonwealth Campus location.

Recipient of both the Lindback and AMOCO teaching awards, Dr. Mills is a former director of academic affairs and acting campus executive officer at Ogontz. The campus has honored him with Outstanding Teacher and Outstanding Advisor awards. He also has been coordinator of the English Department at Ogontz and currently is chair-elect of the Ogontz Faculty Senate.

Dr. Mills has lectured extensively on the arts for the Pennsylvania Humanities Council. He was a book reviewer for *The Philadelphia Bulletin* and has published numerous essays, many dealing with the interface of film and literature.

Steven Prendergast has been named an area representative for Continuing Education at the Penn State Altoona Campus. He will be working with area businesses on staff training and development programs.

Mr. Prendergast previously was assistant vice president, Mortgage Loans Division, at the United National Bank in Huntingdon, and earlier was executive director of Huntingdon County Business and Industry, Inc. As a volunteer, he has worked with the United Way campaign drives in Huntingdon County for many years.



Moylan C. Mills

Lawrence A. Scaff, acting dean of the Faculty of Social and Behavioral Sciences at the University of Arizona, has been appointed head of the Political Science Department in the College of the Liberal Arts.

A specialist in social theory and European political thought, Dr. Scaff is the author of two books, including the well-received study, *Fleeing the Iron Cage: Culture, Politics and Modernity in the Thought of Max Weber*, and of numerous articles and book chapters. He currently is working on the history of 20th century social theory and the relationship between politics and culture in Germany at the turn of the century.

Dr. Scaff serves on the editorial boards of two publications, *Western Political Quarterly* and *Current Perspectives in Social Theory*. Among his memberships are the American Political Science Association and the American Sociological Association.

A member of Phi Beta Kappa, he has received a Fulbright Senior Fellowship, grants from the National Endowment for the Humanities and the International Research and Exchanges Board and a research fellowship from the German Academic Exchange Service.

Dr. Scaff received his Ph.D. from the University of California at Berkeley in 1971. Before moving to Penn State, he served for more than 20 years on the faculty of the University of Arizona, where he was associ-

ate dean as well as acting dean. He also was a visiting professor at the European University Institute in Florence, Italy in 1986; the University of Freiburg, Germany in 1984-85, and the University of Dusseldorf, Germany in 1978.



Lawrence A. Scaff

OBITUARIES

Robert L. Shellenberger, plumber-fitter, Office of Physical Plant, from Jan. 29, 1973, until his retirement Sept. 11, 1982, on disability, died Aug. 11. He was 60.

Wilhelm R. Buessem, professor emeritus of ceramic science and engineering, died Aug. 4 at the age of 89.

Dr. Buessem joined the faculty as research professor of mineral technology in 1950, after immigrating to the United States in 1947 and spending three years as a consulting research scientist at Wright Patterson Air Force Base, Ohio.

An authority in silicate chemistry, he had served during World War II as head of the Ceramic Research Laboratory of the Siemens Works in Berlin, and earlier as head of the X-ray Department at the Kaiser Wilhelm Institute for Silicate Research, Berlin. He received the Dipl.-Ing. in physics (1927) and Dr.-Ing. in physics (1930) from the Technical University of Berlin.

During his 18 years at Penn State, Dr. Buessem was known for the breadth and depth of his research

contributions to ceramic science, ranging from crystallography and electroceramics to mechanical and magnetic properties of ceramic materials, and was author of some 60 research papers in these areas. He retired in 1968. In 1989, the Center for Dielectric Studies recognized his outstanding achievements by creating the annual Wilhelm R. Buessem Award.

Yar G. Chomicky, professor emeritus of art education, died Aug. 13 at the age of 70.

He received a bachelor's and master's degree at Penn State. He joined the University faculty in 1949 and taught art education courses at both the undergraduate and graduate levels.

As a teacher of mural painting, he was responsible, with his students, for painting group murals on walls both on the University Park Campus and in downtown State College—most notably on Calder Way and on Garner Street.

His works as an artist are included in many private and public col-

lections. He exhibited in national, regional, juried and individual events, and also served as a juror in regional and local shows. Two of his sculptures are located in the Viktor Lowenfeld Memorial Garden in Chambers Building at University Park.

In 1970 Professor Chomicky was honored with the Christian R. and Mary R. Lindback Award for Distinguished Teaching at Penn State. He retired Jan. 1, 1987, after 37 years service.

J. Lowen Shearer, professor emeritus of mechanical engineering, died July 12. He was 71.

A graduate of Illinois Institute of Technology, he received M.S. and Ph.D. degrees from the Massachusetts Institute of Technology in 1950 and 1954, respectively. He joined the MIT faculty and acquired a national reputation in the field of automatic control of fluid power systems.

In 1960, Dr. Shearer, J.F. Blackburn and G. Reethof co-edited *Fluid Power Control*. In 1967, he was

co-author with H. Richardson and A. Murphy of the textbook, *Introduction to System Dynamics*.

Dr. Shearer joined the Penn State faculty in 1963 as Rockwell Professor of Mechanical Engineering and served as head of the Systems and Controls Laboratory. As a result of his efforts to re-emphasize engineering design in undergraduate education, the University's mechanical engineering program became known as one of the nation's leaders in engineering design education. He retired Feb. 1, 1985. In 1990, he co-authored with B. Kulakowski the textbook, *Dynamic Modeling and Control of Engineering Systems*.

The recipient of a number of awards, he served as guest scientist and lecturer in Sweden, the U.S.S.R., Poland, France, England, Japan, Germany, Hungary, Switzerland and Czechoslovakia. A Fellow of the American Society of Mechanical Engineers, he also was a member of the Instrument Society of America, American Institute of Aeronautics and Astronautics and the New York Academy of Sciences.



# Focus on Research

Intercom  
September 10, 1992

## Fires could help bring back declining oaks



*"When a fire starts we put it out. The result is the invasion into oak forests by non-oak species that have an economic worth less than that of oak."*

Dr. Abrams

assistant professor of forest ecology and tree physiology

Often viewed as destructive, slow-burning forest fires may be one way to help regenerate diminishing oak stands in America's woodlands, according to a University researcher.

"People tend to think of fire as a negative occurrence, but I'm convinced this was the natural way that oak replaced itself historically, and the loss of these types of forest fires is a major cause of oak decline," said Marc D. Abrams, assistant professor of forest ecology and tree physiology.

Across the nation, scientists are noting that oak trees are not replenishing themselves and oak forests are diminishing. Although the canopies of many wooded areas are dominated by oaks, the understories where new growth occurs are being invaded by less desirable species like maple and cherry. Part of the reason for this oak replacement is due to the shade cast by maple and cherry saplings, which prohibits fledgling oaks from growing and moving beyond the sapling stage. Oaks, which are not shade tolerant, require moderate to high levels of sunlight to develop.

Dr. Abrams, who has studied the decline of oak forests in Pennsylvania and Virginia, said fire was used by Native Americans inhabiting these areas as a method of controlling forest growth. The researcher is convinced oak regeneration can again be encouraged by setting prescribed fires and including periodic burning as part of a forest management plan. Dr. Abrams recently published an article on the subject in the journal *Bioscience*.

"The fire I am suggesting is a low-intensity, surface fire that is self-extinguishing," Dr. Abrams explained. "As the fire creeps along the forest floor, adult species would not be harmed, but undesirable new growth would be set back."

The researcher said oak seedlings and deep-rooted oak saplings are extremely fire tolerant and would survive such a forestry practice. Carefully set fires would also eliminate much of the underbrush of dead leaves and branches that accumulates, inhibiting new growth and posing a threat as fuel for a more serious forest fire.

"Historically, fire frequency in pre-settled times was relatively high and oaks became dominant during periods when climatic conditions were warm and dry — a result of the numerous fires left to burn and run their courses," he said.

After European settlement, the charcoal iron industry came into prominence and fires and clear cutting of forests were abundant. But at the close of the 19th century, the charcoal iron industry waned and a policy of "fire exclusion" in the United States took hold, according to Dr. Abrams.

"When a fire starts, we put it out," he explained. "The result of that practice is the invasion into oak forests by non-oak species that have an economic worth less than that of oak."

Dr. Abrams admits that prescribed burning on forested lands sounds foreign to people unfamiliar with the practice.

"In the South they burn their pine understories and in the Midwest they burn the prairies," he says. "Fire is the way Mother Nature manages the forest."

— Lisa M. Rosellini



Marc D. Abrams

Photos: Greg Grieco

**STAFF VACANCIES**

The following vacancies for positions classified as staff exempt or staff nonexempt have been issued with the University Employment Division for filing. The brief statements for each vacancy are illustrative. They are not complete position descriptions. **APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-0304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. Thursday, September 17. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

**Hershey**

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by September 17.

■ 19499, **Psychiatric Social Worker II, Department of Psychiatry** — Responsible to the unit director, Department of Psychiatry, for provision of the psychiatric social work services within the unit and serves as part of the mental health team in providing counseling for mentally and emotionally disturbed patients and their families. Requires a master's social work degree from an accredited college or university or equivalent and at least 1-2 years of effective experience. **STAFF EXEMPT, GRADE 6.**

■ 19493, **Network Analyst, Center for Information Technology** — Responsible for the establishment and maintenance of LAN communications and associated hardware/software facilities, ongoing research of new hardware/software systems to improve work group productivity and training and support of departmental network support specialists as it relates to these facilities. Requires a bachelor's degree or equivalent in computer science and electrical engineering with course work in operating systems and data communications, plus 2-3 years of effective experience. **STAFF EXEMPT, GRADE 7.**

In addition, there are a number of positions that, because of the frequency with which they become vacant, are still available after employees in the work unit have been considered. Such positions are available on a fairly regular basis. They are not announced each time they are open. Instead, they are announced periodically so a pool of interested candidates can be developed. Applications for such positions may be made at any time, and

you are welcome to make your interest known to the Employment Division for further consideration when such vacancies occur. These positions are:

- Cardiology Technician
- Cardiovascular Technician, (also Senior Level)
- Computer Tomography Radiologic Technologist, (also Senior Level)
- Critical Care Monitoring Technician
- Cytotechnologist/Histotechnologist, (also Senior Level)
- Pharmacy Assistant
- Licensed Practical Nurse
- Magnetic Resonance Imaging Technologist, (also Senior Level)
- Nuclear Medicine Technologist, (also Senior Level)
- Medical Technologist, also CLA, MLT, CLT-HEW, (also Senior Level)
- Neurophysiology Technician
- Nuclear Medicine Technologist, (also Senior Level)
- Occupational Therapist
- Ophthalmic Technologist
- Perfusionist
- Pharmacist
- Physical Therapist/Assistant
- Physician Assistant (also Senior Level)
- Radiologic Technologist, (also Senior Level)
- Radiography Technologist, (also Senior Level)
- Research Support Assistant/Associate, also J.R.T., R.T., S.R.T.
- Respiratory Therapist/Technician/Clinical Specialist
- Speech Language Pathologist
- Staff Nurse
- Surgical Technician
- Transplant Coordinator
- Ultrasound Technologist, (also Senior Level)
- Utilization Review Coordinator/Auditor
- Utilization Review Specialist
- Vascular Radiologic Technologist, (also Senior Level)

**Posting of jobs to change**

On Oct. 1, **STAFF VACANCIES will no longer appear in the Intercom.** Beginning on this date, staff vacancies can be accessed through EMC2 on Electronic Bulletin Boards. In addition, printed copies of these staff vacancies will appear on designated work unit bulletin boards.

Telephone callers may receive the same information by calling the Penn State Job Information Service at (814) 865-JOBS.

**CHEMERDA LECTURES IN SCIENCE**

**Physics/math professor to give four-lecture series**

Leo P. Kadanoff, John D. and Catherine T. MacArthur distinguished service professor of physics and mathematics at the University of Chicago, will give the 1992 Chemerda Lectures in Science Sept. 14-17 at University Park.

The four-lecture series, "Structure and Disorder: Lectures on the Foundation of Chaos," is sponsored by the Eberly College of Science and is free to the public.

The schedule is: "Snatching Chaos from Order," 8 p.m. Monday, Sept. 14, 117 Osmond Laboratory; "Convective Turbulence: An Experiment and a Little Theory," 4 p.m. Tuesday, Sept. 15, 117 Osmond Laboratory; "On Two Levels: Cellular Automata and Fluid Flow," 4 p.m. Wednesday, Sept. 16, 101 Althouse Laboratory, and "Singularities and Bubble Breakup," 3:30 p.m. Thursday, Sept. 17, S-5 Osmond Laboratory.

A theoretical physicist, Dr. Kadanoff has made significant contributions to the field of condensed matter physics. He is, perhaps, best known for developing the concepts of scale invariance and universality as applied to phase transitions. These concepts were the key idea behind the modern renormalization group theory and led to a substantial modification in the way in which physicists viewed the state of matter.

A member of the National Academy of Sciences and an Alfred P. Sloan Foundation Fellow, Dr. Kadanoff also is a Fellow of the American Physical Society, the American Academy of Arts and Sciences, and the

American Association for the Advancement of Science.

He earned his bachelor's, master's, and doctoral degrees at Harvard in 1957, 1958, and 1960, respectively. After conducting postdoctoral research at the Niels Bohr Institute in Copenhagen, he served as a faculty member at the University of Illinois and Brown University. He has been a professor of physics at the University of Chicago since 1978 and was named John D. and Catherine T. MacArthur distinguished service professor in 1982.

The author or coauthor of more than 150 articles, Dr. Kadanoff was associate divisional editor of *Physical Review Letters* from 1984 to 1987 and currently serves on the editorial boards of *Annals of Physics* and *Complex Systems*.

The Chemerda Lectures in Science are named in honor of John M. Chemerda, a member of the Penn State Class of 1935. The lectures are supported by a grant from Merck & Co., Inc., made in connection with an award conferred upon Professor Chemerda by Merck's board of directors.



Leo P. Kadanoff

**NEWS IN BRIEF**

**University among 'best buys'**

Penn State is one of five Pennsylvania schools ranked in an annual *Money Magazine* survey as among the top 100 best buys at American colleges.

Grove City College was ranked the 19th best bargain when the magazine ranked the schools that offer the most for the money. Westminster College was 60th on the *Money* list, Swarthmore College was 62nd, Chestnut Hill College 92nd, and Penn State 96th.

The magazine says it considered student-to-faculty ratios, average SAT scores, default rates on student loans, graduation rates and alumni business success in ranking the schools offering the best deals.

Rice University in Houston topped *Money's* list due to its billion dollar endowment and its ratio of one faculty member for every nine students.

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September 10, 1992  
Vol. 22, No. 4

**PENN STATE**



**INTERCOM**

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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## Appropriation request seeks to restore funding

The Penn State Board of Trustees at its meeting Sept. 11 at University Park approved an appropriation request for 1993-94 that seeks to restore the appropriation to the 1991-92 level and to gain an additional modest increase.

"Our \$249,204,000 appropriation for 1992-93 represented a 3.7 percent reduction from the 1991-92 level," President Thomas said. "This is the first since the 1933-35 biennium that Penn State's permanent appropriation was reduced."

The University is seeking a 1993-94 appropriation totaling \$271,052,000 which includes funds for the College of Medicine at Hershey and the Pennsylvania College of Technology in Williamsport. In addition,

the plan approved by the Board calls for a tuition increase tied to the rate of inflation — 4 percent.

"The proposed budget plan gives Penn State enough room for small increments of progress," Dr. Thomas noted. "It also addresses our commitment to keep tuition increases as low as possible. It looks to the state for a very modest increase in funding, and it takes on the difficult challenge of cutting back some areas of University operation to provide the resources needed to keep targeted areas strong."

When compared to the average of the Big 10 public universities, Penn State operates with nearly \$76 million less in state appropriations while serving 14,000 more students. A comparison to the average of the 40

largest public universities in the nation shows that Penn State receives \$58 million less in state dollars while serving nearly 26,000 more students.

Penn State also continues to operate with fewer dollars per student than any public college or university in Pennsylvania, according to Dr. Thomas.

The proposed total operating budget calls for projected expense increases of \$35,296,000, or a 5 percent increase in the general funds budget.

More than half of these funds — \$25.9 million — will be required for faculty and staff salary adjustments and related benefits. Health care costs are projected to

See "Funding" on Page 3

## Dean named for College of Health and Human Development

Gerard E. McClearn, Evan Pugh professor of health and human development and acting dean of the College of Health and Human Development, has been named dean of the college, following approval by the Board of Trustees.

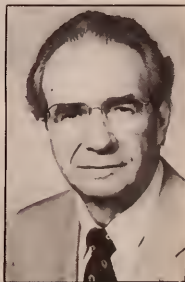
"I am pleased to be able to bring this recommendation to the Board," President Thomas said. "Dr. McClearn is an outstanding choice for Penn State at this time. He is an experienced administrator dedicated to quality teaching and research, an internationally recognized scholar, and he has a vision for the College that emphasizes national and international perspectives."

Dr. McClearn joined the University in 1981 as a professor of human development, nutrition and psychology. He was named Evan Pugh professor of health and human development in 1986 and professor of biobehavioral health in 1990.

From 1981 to 1988, he served as the college's associate dean for research and graduate studies and director of the Institute for the Study of Human Development. From 1981 to 1990 he was chair of the Intercollege Graduate Program in Genetics, and from 1988 to 1990 he was director of the Center for Developmental and Health Genetics. In 1990 he was named head of the Biobehavioral Health Program, and in January 1992 he was appointed acting dean.

Dr. McClearn has been principal investigator or co-investigator on grants totaling more than \$10 million. His research has dealt broadly with the interrelationships between genetics and behavior. He has contributed to the methodology of experimental behavioral genetics and explored its application in such areas as alcohol and drug dependence, cognitive abilities, and, most recently, the aging process.

In 1989 he received the Dobzhansky Memorial Award for eminent research in behavioral genetics from the Behavior



Gerard E. McClearn



During a visit to the Landscape Management Research Center at University Park, Lt. Gov. Mark Singal, center, examines mulch being developed for use in turfgrass propagation. With him are Robert J. Booz, left, director of research and development, Ben Franklin Technology Center of Central and Northern Pennsylvania, Inc., and George Hamilton, instructor in turfgrass and inventor of the technology that uses recyclable paper fibers combined with other components to produce a clean mulch that is easy to store, handle and apply.

Photo: Greg Grieco

## SPEC grades to be in effect Oct. 1

Penn State's Staff Position Evaluation and Classification (SPEC) Program—in which clerical, staff exempt, and staff non-exempt employees transfer into the new single classification category of University staff—will become effective Oct. 1.

According to the Office of Human Resources, the new job evaluation system provides a state-of-the-art process to take Penn State into the 21st century.

The system has twenty-two grades, designed to expand the opportunities for promotion within the Penn State staff structure, thus increasing the opportunity for upward mobility.

The single staff classification category also

is designed to allow the University to provide more uniform and consistent policies for staff members.

Under the program, new grade assignments within the twenty-two grades will be effective Oct. 1. Unless substantial changes occur in the duties and responsibilities assigned, there will be no changes in the grades assigned by Mercer, Inc. Consultants for one calendar year from the Oct. 1 effective date.

While initial plans called for implementation of the new policies and job evaluation program in conjunction with a higher than normal salary adjustment program, the state of the

See "SPEC" on Page 3

See "Dean named" on Page 3

DIVERSITY



The Fisk Jubilee Singers, who were chiefly responsible for introducing black religious music to a wider audience, are included in the exhibit.

## Exhibition examining rise of Black churches opens Sept. 25th in HUB

"Climbing Jacob's Ladder: The Rise of Black Churches in Eastern American Cities, 1740-1877" — an exhibition that examines the beginnings of African-American churches — will open Sept. 25th in the Formal and Browning Art Galleries at the Hetzel Union Building at University Park.

The exhibition, which continues through Oct. 25, was organized by the Smithsonian's Anacostia Museum, Washington, D.C., where it had its premiere in October 1988, and developed for national travel by the Smithsonian Institution Traveling Exhibition Service (SITES) and the Anacostia Museum.

"Climbing Jacob's Ladder" chronicles the rise of black churches in major east coast cities from the First Great Awakening in 1740, a series of religious revivals that exploded across America during the last half of the 1700s, to the end of the Reconstruction era in 1877. Throughout this period, black churches served not only as houses of worship, but as centers for a broad range of communal endeavors.

The exhibition includes core interpretive panels illustrated with graphic reproductions, and photographs, multi-colored banners on which lines from

spirituals are silkscreened, free-standing units with biographies of important black church leaders and a map of the United States depicting important centers of black church development.

Selected cities examined in the exhibition that experienced growth in their black Christian communities during this period include: Savannah, Baltimore, Philadelphia, Boston and Richmond.

Covering Baptist, Presbyterian, Methodist and Episcopal denominations, the exhibition examines the connection these black congregations had with rebellions against slavery.

In addition to providing spiritual needs, early black churches provided classroom space for the operation of schools. The earliest colleges established for blacks in the South began during and immediately following the Reconstruction era. Although financed by white-controlled denominations, a number of colleges were actually organized in black churches.

The exhibit is from Sites and is sponsored by the Office of Union Programs and Operations with the support of the Equal Opportunity Planning Committee.

## Scholars sought for program

The Office of Summer Sessions is inviting nominations and applications for The Scholars in Residence Summer Program for 1993. Applications must be received by Oct. 12, and appointments for next summer will be made by Nov. 15.

Designed for minority scholars who have received a doctorate from some other institution, the program provides teaching opportunities to artists, executives, administrators, experienced teachers and research scholars whose talents and achievements can enrich the classroom, library or laboratory at one of the University's 10 colleges or 23 locations.

"Our program has become very competitive. Last year we had 150 applicants who were nominated by faculty, deans, department heads or who nominated themselves for 12 positions of which 9 were actually hired to teach," says Nancy M. Tischler, director of Summer Sessions.

"Now in its sixth year, the summer scholars program has won friends for Penn State in the minority community and has enriched the academic life of host campuses."

Funded by a combination of the local unit, EOFC and the President's Opportunity Fund and coordinated by the Office of Summer Sessions, those selected receive a salary and partial travel and living expenses. Faculty teach courses in their specialty, meet with students, attend University functions and generally become part of the summer community on campus.

Last year's scholars were specialists in a range of areas, including anthropology, nutrition, childhood education, Black studies, Latin American libraries and molecular and cell biology.

Applications will be reviewed on receipt by the appropriate department heads and deans or CEOs. Interested persons should contact the Office of Summer Sessions, Spruce Cottage, University Park, 16802-4606, or phone 814-863-4174 for a application

## Women in science

WPSU airs new series on women and minorities today

WPSU, 91.1 FM, will air the first program in a new series of interviews with Penn State scientists at 12:30 p.m. today. The series, titled "Scopes: Women and Minorities in the Sciences at Penn State," will be broadcast every Thursday this semester following a companion National Public Radio program, "Science Lives: Women and Minorities in the Societies," which will air at noon.

Today's program features an exploration of issues relating to science careers and science education at Penn State. Londa Schiebinger, associate professor of history and host of the series, leads a discussion with Sharon Luck, director of the Women in Engineering Program; Henry

McCoullum, coordinator of minority programs in the Eberly College of Science; and Linda Schobert, instructor in mathematics. The topic of today's National Public Radio program is "A Shortage of Scientists."

France Cordova, professor and head of astronomy and astrophysics, is the featured guest of the second program in the series, which will air on Thursday, Sept. 24. The topic of the companion National Public Radio program is "Opportunities in a Crisis."

"Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

### ☞ DIVERSITY OPPORTUNITIES CALENDAR ☞

#### Thursday, Sept. 17

Office of Religious Affairs, the Islamic Society of Central Pennsylvania and the Muslim Students Association, 7:30 p.m., 112 Kern Graduate Building. Program titled, "Religions and Contemporary World Problems: Three Religious Traditions Respond." Speakers will include Rev. Anne Ard with a Christian response, Dr. Jamal Bowadi with an Islamic Response and Rabbi David Sudaley with a Jewish Response.

#### Wednesday, Sept. 23

Center for Women Students, noon to 1 p.m., 120 Boucke Building. Brown Bag Lunch Series discussion titled, "Women, Religion and Revolution in Central America," by Ann Lutterman, United Campus Ministry associate minister.

#### Saturday, Oct. 3

Office of Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "Promotion and Tenure" is the topic of the first in a series of faculty development workshops. Blannie Bowen, professor of agriculture and extension education will be the speaker. To make reservations, contact Leah Witzig at 863-1663 by Tuesday, Sept. 29. All junior faculty are welcome to participate.

## Funding

Continued from Page 1

rise by approximately 10 percent, which is well below the national average.

"We expect further help in holding the line on Penn State's health care costs through activities that we are pursuing to control these growing costs," Dr. Thomas said.

Projected cost increases for operations include \$1,025,000 for the maintenance and operation of new or newly remodeled facilities scheduled to come on line during 1993-94; \$450,000 for fuel and utilities cost increases, and \$2.2 million for a proposed increase in departmental allotments. There has been no increase in department allotments for the past seven years, which reduces purchasing power for the University's departments.

The budget proposal also includes an increase of \$6.8 million for critical program needs, which will be funded entirely through the internal reallocation of existing funds.

Finally, \$1.8 million is requested to restore funds cut from the agricultural research and extension line-items in the 1992-93 appropriation.

## Dean named

Continued from Page 1

Genetics Association. He is a member of the MacArthur Foundation Research Network on Successful Aging and also serves as a consultant to the National Institute on Alcohol Abuse and Alcoholism.

Dr. McClearn received a B.S. degree from Allegheny College and both an M.S. and a Ph.D. degree from the University of Wisconsin. Before joining Penn State, he was professor of psychology and pharmacology and director of the Institute for Behavioral Genetics at the University of Colorado.

## SPEC

Continued from Page 1

economy severely limited the University's ability to provide salary adjustments this year. It is hoped that appropriate merit adjustments can be made in the future.

The Office of Human Resources said that, under the program, those presently on the clerical step plan who would have been eligible to receive a step increase will receive the prorated amount for that next step in their base salary effective October. Additional detailed information about this and other related matters will be provided by Human Resources.

## APPOINTMENTS

Harold E. Cheatham, professor of education, has been named head of the Department of Counselor Education, Counseling Psychology and Rehabilitation Services Education in the College of Education.



Harold E. Cheatham

He earned a bachelor of science degree in psychology and history from Penn State, a master of arts degree in psychology and higher education administration from Colgate University, and a Ph.D. in counseling and higher education administration from Case Western Reserve University.

Dr. Cheatham has earned many honors, including a 1991

Senior Fulbright Scholar appointment at the National Council of Educational Research and Training in India; Summer Faculty Research appointment awarded by the Navy/American Society for Engineering Education; Benjamin A. Mays Scholar in Residence at the Indiana University of Pennsylvania; and Danforth Associate of the Danforth Foundation in St. Louis, Missouri.

A nationally recognized authority on multicultural counseling, he is a member of the editorial board of the Sage publications series: *Multicultural Aspects of Counseling*; is an ad hoc reviewer for the *Journal of Counseling and Development*; a member of the editorial board of *Career Development Quarterly*, and editor and chair of the ACPA Editorial/Media Board.

Dr. Cheatham has authored or co-authored more than 50 articles; a special issue of the *Journal of College Student Personnel*; "Blacks in Higher Education" addressing Blacks and U.S. Higher Education; and two books. His latest book, *Cultural Pluralism on Campus*, challenges college student personnel and human development specialists to initiate cultural pluralism on campus and provides practical information on how to design effective programs and to assess the effectiveness of new and existing strategies that promote cultural pluralism.

At Penn State, he has served on many committees, including Faculty Senate, the Advisory Committee of the Office of Minority Graduate Opportunities and Faculty Development Center, Forum on Black Affairs, Graduate Programs and Faculty Development Task Force, Minority Recruitment Task Force, University Black Studies Committee, College of Education Alumni Society Board of Directors, College of Education Committee on Equal Opportunity, Paul Robeson Cultural Center Advisory Board, and College of Human Development Minority Advanced Placement Program Advisory Board.

## College of Education

### Lecture series continues with education professor from the University of California at Berkeley

The second in a series of four Distinguished Lectures, sponsored by the College of Education, will be presented at 6:30 p.m. Thursday, Sept. 24, in 101 Althouse Lab at University Park.

K. Patricia Cross, Elizabeth and Edward Conner professor of education at the University of California, Berkeley, will discuss "What's In the Black Box?—Or How Do We Know What Students are Learning?" Her lecture will relate the assessment movement in the classroom, and to the improvement of teaching, in higher education.

Working under a grant from the Ford Foundation and the Pew Charitable Trusts for five years, Dr. Cross has developed quick and easy techniques that teachers of any discipline can use in their classrooms to get feedback on students' learning while there is still time to make corrections. The purpose of these techniques is to encourage teachers to monitor learning and to experiment with teaching to see how teaching and learning can be made more efficient and effective.

Dr. Cross has had a varied and distinguished career as university administrator (dean of students at Cornell University); researcher (distinguished research scientist at Educational Testing Service), and teacher (professor and chair of the Department of Administration, Planning, and Social Policy at the Harvard Graduate School of Education).

The author of eight books and more than 150 articles and chapters, she has been recognized for her scholarship by election to the National Academy of Education and receipt of the E.F. Lindquist Award from the American Educational Research Association.



K. Patricia Cross

Past president of the American Association of Higher Education, she received her bachelor's degree in mathematics from Illinois State University and master's and Ph.D. degrees in social psychology from the University of Illinois.

Other scholars who are scheduled to present include Constance Clayton, executive director of the Philadelphia School District, Oct. 19, and

Henry Levin, professor of education at Stanford University, Nov. 16.

## OBITUARY

A Madison Brewer, professor of education emeritus and associate dean emeritus of the College of Education, died Aug. 26. He was 77.

Dr. Brewer received his bachelor's degree from Eastern Washington College, and both his master of arts degree and doctorate in education from Northern Colorado University.

During his career, he had varied public school and college experience, teaching

at the Laboratory School at Northern Colorado University and serving as an elementary school principal in Pullman and Vancouver, Washington. He was director of the Laboratory School at Eastern Washington College and chairman of the Department of Elementary Education at the University of Nebraska.

He came to Penn State in 1960 as head of the Department of Elementary Education and was named associate dean in 1969. He retired in 1980.

Dr. Brewer was a specialist in reading and was active in international education,

helping to establish programs at Penn State for educators from Latin and South American countries and establishing an exchange program with the College of St. Hill and St. Bede in Durham, England.

He served on the executive board and as president of the Pennsylvania Association of Colleges for Teacher Education and was actively involved in the National Education Association, the Association of Childhood Education International, Phi Delta Kappa and the United Private Academic Schools Association of Pennsylvania.

## Technology classrooms change undergraduate education

Penn State's technology classrooms are dramatically changing how undergraduates are taught, the Board of Trustees has learned.

"Employing the latest in computer technology, faculty in all fields can now present complex examples, controlling color, motion and sound, and can easily bring in references from remote sources," J. Gary Augustson, executive director of the Office of Computer and Information Systems, said.

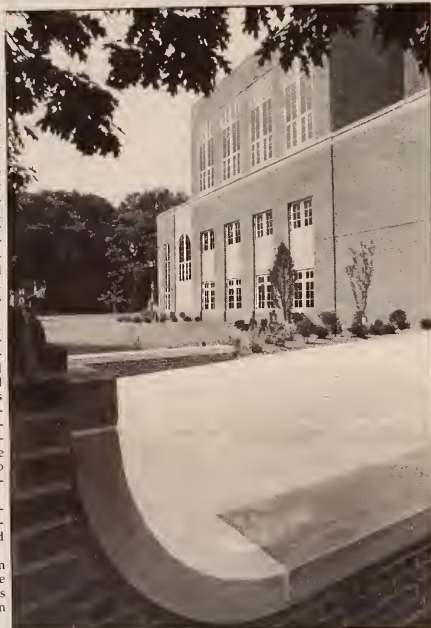
Eight of the 28 classrooms in the newly completed Classroom Building at University Park can showcase the capabilities of multi-media computers and projection systems. In addition, faculty can use similar technology in five other buildings at University Park — Chambers, Walker, Forum, Walker and Agricultural Science and Industry — and at the Penn State McKeesport Campus and Penn State Harrisburg.

Rather than using chalkboard and overheads, a faculty member in economics can use multimedia film clips, animations, and graphics to illustrate forces and relationships that shape economic and social policy. In meteorology, students work with real-time weather data transmitted over national networks and interpret the complex principles that determine weather. In statistics, faculty can use 3-D animated models and simulations to determine the relationships among thousands of data points.

Critical components of this environment are telecommunications infrastructure, staff to train and support faculty and student labs.

"By strengthening the link between teaching and the research of faculty, the classrooms support two of Penn State's most important missions," Mr. Augustson said.

"As we continue to expand the Technology Classroom Initiative to other buildings and campuses, we anticipate that faculty will enrich and transform the undergraduate experience at Penn State."



Members of the Board of Trustees visited Penn State's technology classrooms in the newly completed Classroom Building following their Sept. 11 meeting. Photo: Greg Grieco

## Trustees approve purchase of properties located near University Park Airport

The Board of Trustees has approved the purchase of properties related to the University Park Airport.

"The purchase of these properties, located near the current runway protection zones, follows the airport master plan approved by the Trustees in 1989," Steve Garban, senior vice president for finance and operations and treasurer, said. "The properties are within the current runway protection zones.

"The University will be reimbursed by the Federal Aviation Administration and the Pennsylvania Department of

Transportation for a major portion of the acquisition costs," he added.

The proposed total acquisition consists of four Benner Township parcels totaling 11.9 acres of land and all improvements for \$482,500.

In other action, Trustees approved the lease of land at the airport to the United States of America on behalf of the Pennsylvania Air National Guard.

"The parcel will be used to relocate and expand the Pennsylvania Air National Guard facilities now located on the north edge of the University Park Campus," Mr. Garban said.

Terms of the agreement include

the lease of 22.62 acres in the amount of one dollar for 35 years.

"In return, the University will receive the old facilities, which total nearly 24,000 square feet of well-maintained buildings on a 2.6 acre site, plus other improvements," Mr. Garban added.

The mission of the Pennsylvania Air National Guard is to provide long-range radar control and airport radar and traffic control. The move to the airport provides a good training environment for the development of airport traffic controllers and provides the airport with radar and control tower operations.

## Capital budget of \$304 million being sought for 1993-94

The construction and renovation of academic buildings continues to be a priority at Penn State, as highlighted by the approval of the University's 1993-94 capital budget request to the state.

The Board of Trustees approved a 1993-94 capital budget request totalling \$304.3 million.

Among the requests are \$140.3 million for new construction projects; \$47.7 million for renovation projects; \$104.6 million for utility projects; and \$11.7 million for original equipment.

The five-year capital budget request is updated annually and submitted to the Department of Education. Since the Legislature has not acted on the 1992-93 request, the 1993-94 request is an update which reflects changes asked for by various academic and administrative units in their strategic plans. The updated request also makes adjustments for inflationary cost increases.

Of the 27 projects included in the proposal, 24 have appeared in budget requests in previous years. The specific projects, and amount of funding requested, include the following new construction projects:

Library and classroom building at Penn State Harrisburg, \$17.3 million; expansion of the HUB/Robeson Cultural Center at University Park, \$21 million; new chemistry building at University Park, \$52.5 million; pedestrian bridge at University Park, \$1.8 million; library addition and auditorium at York, \$11.3 million; classroom building at University Park, Phase II, \$10.5 million; maintenance building at York, \$1.1 million; academic building at Berks, \$4.4 million; academic support services complex at University Park, Phase I, \$15.8 million; classroom building at Altoona, \$4.6 million.

Renovation projects in the capital budget request include:

Renovation of and addition to Ferguson Building at University Park, \$8.6 million; conversion of EE East Building at University Park, \$4 million; modernization of Sparks Building at University Park, \$5.2 million; renovation and addition to support services facilities at University Park, \$6.9 million; renovation of General Studies Building at Mont Alto, \$3 million; alteration of facilities for compliance with Americans with Disabilities Act at all locations, Phase I, \$20 million.

Utility projects in the capital request include:

Improvements and expansion of infrastructure at University Park, Phase I, \$5.3 million; water system improvements at University Park, \$10 million; electrical system improvements at University Park, Phase I, \$10.7 million; steam distribution system improvements at University Park, Phase II, \$12 million; utility systems expansion and improvements at Penn State Erie, The Behrend College, \$18.2 million; utility systems expansion and improvements at Berks, \$2.9 million; water, electrical and telecommunications systems improvements at Mont Alto, \$3.4 million; utility systems improvements at Fayette, \$2.8 million; chilled water plant and distribution system at University Park, \$12.7 million; renovation of utility systems at Penn State Harrisburg, \$11.6 million; expansion and improvements of telecommunications infrastructure at University Park, \$15 million.

## FROM THE TRUSTEES DOCKET

# Report on undergraduate education shows University's national prominence

Recent indicators point to a dynamic and vibrant state of undergraduate education at Penn State, according to a report provided to the Board of Trustees.

Gregory C. Knight, vice provost and dean of undergraduate education, and Madlyn Hanes, director of academic affairs at the Penn State Delaware County Campus and chair of the Commission for Undergraduate Education, told the Board that various measures of undergraduate quality indicate Penn State is superior in many respects.

According to Dr. Knight:

In 1990-91, Penn State undergraduates scored nearly 100 points above the national average on Graduate Record Examination scores.

Penn State continues to rank second nationally in receiving unsolicited SAT scores by prospective undergraduates. "A clear sign of our quality as seen by prospective students."

Penn State ranks fifth among all universities in producing graduates who eventually earn doctoral degrees, according to the National Research Council.

Among public research universities, Penn State has ranked no lower than sixth in each of the last six years in the number of science graduates who receive National Science Foundation Graduate Fellowships.

Nearly 500 undergraduate students are formally involved in research opportunities. "We suspect that 10 times this number are involved in faculty research that is arranged by other means."

Penn State is host to the executive

office and one of the original founders of the Alliance for Undergraduate Education. This is a consortium of 16 large public research universities, includ-

● In 1990-1991, Penn State undergraduates scored nearly 100 points above the national average on the GRE.

● Penn State continues to rank second nationally in receiving unsolicited SAT scores.

● Penn State ranks fifth among all universities in producing graduates who eventually earn doctoral degrees.

ing Berkeley, Michigan and the University of North Carolina at Chapel Hill, all committed to excellence in undergraduate education.

In addition, Dr. Knight told the Board that the Office of Undergraduate Education has just been awarded a three-year grant from the Fund for the Improvement of Postsecondary Education for a project involving student assessment.

He reviewed the formation of the

Commission for Undergraduate Education, which was appointed by President Thomas in December of 1991.

Dr. Hanes, who has chaired that group since it was formed last winter, said the 17-member commission will work over the next several years to "elevate the art and science of teaching, the academic atmosphere of the University community, and student-involved learning."

"President Thomas asked that the Commission address some specific areas of concern, which we have categorized into five areas which have, in fact, become our goals," she said. "These are curricular relevance and coherence; student-faculty interaction; academic advising; the evaluation, development and support of teaching; and the assessment of student learning."

"President Thomas singled out as most immediate to our initial work, the development of a long-range, comprehensive and system-wide plan for implementing a University-wide process of assessment of undergraduate teaching and learning."

"We are particularly encouraged by the immediate emphasis he has placed on teaching and learning. This puts the faculty and students in the center of our attention — as chief stake holders in undergraduate education."

Dr. Hanes also said the Commission will especially "rethink the ways in which we evaluate teaching. The working group on assessment will consider alternative means to assessment and more inclusive documentation."

## NEWS IN BRIEF

### Lecture series

Melvyn C. Resnick, noted Hispanic linguist and professor of Spanish at the University of North Carolina/Charlotte, will present the first lecture in the 1992-93 Lecture Series of the Department of Spanish, Italian and Portuguese at 8 p.m. Tuesday, Sept. 22, in 105 Wartik at University Park.

The lecture, dedicated to John B. Dalbor, professor of Spanish, who will retire at the end of the current academic year, is titled "Linguistic Conflict on the Isle of Enchantment—Bilingualism and Diglossia in Puerto Rico." It is open to the public.

Dr. Resnick is widely known for his work *Phonological Variants and Dialect Identification in Latin American Spanish*, which presents a system for identifying, analyzing, and grouping Spanish dialects according to their pronunciation features.

### Couples enhancement program

The Individual and Family Consultation Center in the College of Health and Human Development will offer a couples enhancement program Oct. 3-4 at University Park. The same program also will be offered Nov. 7-8.

The program, called "Relationship

Enhancement," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs and opinion. The relationship strategies and skills that are taught help couples to address such topics as disciplining children, spending money, communicating effectively, expressing affection and sexual needs, dividing household responsibilities and coping with dual-career issues.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is \$125 for an individual and \$200 for a couple. For further information or to enroll, call the Individual and Family Consultation Center at (814) 865-1751.

### Penn College enrollment

Pennsylvania College of Technology has again achieved the highest enrollment in its history. At the end of the first full week of classes, the college enrolled 4,301 full-time equivalent students — 205 more full-time students than last fall.

With a five percent increase in enrollment, this is the sixth straight year these figures have increased. Penn College can now boast a 51 percent cumulative enrollment increase since Fall 1987.

Penn College's "headcount," the total number of students now attending the college, including full-time and part-time enrollees, is 4,891 — a three percent increase over last year and a 42 percent cumulative increase over the past six years.

### Adult learner services

The Center for Adult Learner Services is sponsoring a program for adult learners titled "Strategies for Academic Success/Study Skills" at 12:30 p.m. Tuesday, Sept. 22, in 329 Boucke Building at University Park.

Ann McLaren, Learning Assistance Center, will present the program which will focus on study strategies for academic success; overview of tutoring and other academic support services; and availability of employment opportunities as a tutor.

For further information, contact the Center for Adult Learner Services at 863-3887 or stop by 323 Boucke.

### Anxious subjects sought

Thomas D. Borkovec, professor of psychology is looking for "anxious" people who may be experiencing Generalized Anxiety Disorder (GAD).

The Stress and Anxiety Institute in the Department of Psychology, is conducting

## Changes in programs okay'd by trustees

Trustees have reviewed a number of new undergraduate options and changes in several programs.

Changes at Penn State Erie, The Behrend College, include:

Addition of an option in general biology, and addition of an option in medical technology.

The option in general biology is for students who intend to enter graduate or professional schools in which they are interested in working with agencies or firms that require a biological background. The medical technology option prepares students for careers in clinical laboratories. The new option reflects a restructuring of the biology major to help address a need for medical technologists in northwestern Pennsylvania and the United States.

Changes in the College of Health and Human Development include:

Addition of an option in hotel, restaurant and institutional management; dropping of an option in general hospitality management; dropping of an option in hotel management; and dropping of an option in food service management.

In the new option in hotel, restaurant and institutional management prepares students for management positions in all segments of the hospitality industry with a level of specificity tailored to the individual student's needs and interests.

an ongoing research study which is designed to help people with this disorder in which worry is excessive, unrelenting, or overwhelming.

Subjects (ages 18-65) included in the study will receive 14 free sessions of individual psychotherapy as well as assessments before and after the therapy period. They also will be asked to complete various questionnaires throughout treatment. If you believe that you are experiencing GAD and would like to be considered for this program, please call (814) 865-1725.

### PENNTAG grants

The Pennsylvania Technical Assistance Program, PENNTAG, has been awarded \$200,000 from the Pennsylvania Department of Commerce and \$124,500 from the U.S. Economic Development Administration to help Pennsylvania manufacturers improve their competitiveness.

Established in 1965, PENNTAG is one of the nation's first industrial extension programs and has been a model for such programs in many other states and countries. It provides free confidential scientific and technological assistance to smaller firms that normally do not have the in-house expertise to resolve specific technical problems.

**The arts on Channel 3**

Canadian chanteuse Sylvie Bernard lights up the stage when Lonesome Pine Specials presents "Sylvie Bernard and Band—American Originals in Music" airing at 10 p.m. Saturday, Sept. 19, on WPSX-TV.

Sylvie Bernard is a powerful young singer whose style and repertoire range from Edith Piaf to Janis Joplin. Raised in Trois-Rivières, Quebec, she has lent her voice and personality to some of the most unforgettable music of our time. In 1986, she was unanimously chosen as best performer at the annual Granby Song Festival.

Following Lonesome Pine Specials at 11 p.m., will be "Jacksonville Jazz XII." The program reflects the dazzling diversity of the contemporary jazz scene and includes performances by the Rippingtons featuring Russ Freeman; Cuban trumpeter Arturo Sandoval; Bela Fleck and the Flecktones; the Chick Corea Elektric Band, and Grammy Award-winning vocalist Diane Schuur.

**Saxophone recital**

Saxophonist Dan Yoder will be joined by the group Jazz Endeavor for a recital at 8 p.m. Tuesday, Sept. 22, in the School of Music Recital Hall at University Park.

The program will feature selections by Cole Porter, Charlie Parker, Dave Brubeck, Roy Turk, Chick Corea and Johnny Mercer.

Mr. Yoder is associate professor of saxophone and director of jazz studies. The program he has selected is a tribute to his main musical influences.

Jazz Endeavor is comprised of Greg Hardner on drumset, Jeff Lawlis on piano and Jim Robinson on bass.

**Odyssey on WPSU**

A Bengali folktale, in which a greedy Brahmin abandons his two daughters in the forest for the crime of eating too of his pancakes, is the topic of the next Odyssey Through Literature broadcast.

Suchismita Sen, a recent Ph.D. graduate of the Comparative Literature Department, calls "The Tale of Ipu" a mechanism through which women instruct other women in "the rules by which the social powerplay develops."

Although the tale seems to extoll

the cleverness of women, it ends with no change in the status quo. When the daughters marry royally, their father is elevated to as high a position as theirs.

"At least in the Indian context, it is women who are responsible for maintaining the status quo. That's one thing that comes out clearly through this tale," says Dr. Sen.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

**Trombonist to perform**

Trombonist Michael Davis and his group will perform at 8 p.m. Thursday, Sept. 24, in the School of Music Recital Hall at University Park.

Mr. Davis, a graduate of the Eastman School of Music, has performed with Frank Sinatra, Buddy Rich, Herbie Hancock Jr. and Bob Dylán, among others. He has appeared as a session musician on numerous albums and has also recorded two solo albums: "Sidewalk Cafe" and "Heroes."

The concert is free to the public.

**Monotype prints**

An exhibit of monotype prints by Maryanne Meltzer is on display in Pattee Library's Lending Services Gallery at University Park until Sept. 30.

In her monotypes, Ms. Meltzer works with a combination of cut-out shapes, rollers, and brushed on inks. The resulting images are repeated on richly colored backgrounds.

A resident of Dallas, Texas, Ms. Meltzer studied at the School of the Chicago Art Institute, Southern Methodist University and Texas Woman's University and earned a master of arts degree from the University of Texas at Dallas. She has taught art in the Dallas public schools and area community colleges.

**Quintet in concert**

The Quintet of the Americas will present "Discovering the New World: A Celebration of 500 Years of Music" at 8 p.m. Friday, Sept. 25, in Schwab Auditorium at University Park.

First in the "Intimate Excursions" series, cosponsored by Toffrees and the Center for the Performing Arts, "Discovering the New World: A Celebration of 500 Years of Music" will include a wide variety of North and South American music, including ragtime from the United States, Native American works, music from



This print, "Ruth," is part of the exhibit "Computer Graphics: A New Direction in Art" by Sylvia Baron on display in Pattee Library's Lending Services Gallery at University Park until Oct. 5.

the American Revolution, Brazilian folk songs, Colombian colonial dances and modern compositions.

The quintet features flutist Marco Granado, oboist Matthew Sullivan, clarinetist Christopher Jepperson, horn player Barbara Oldham, and bassoonist Thomas W. Novak. Founded in 1979 by the principal woodwind players of the "Orquesta Sinfonica de Colombia," the quintet is dedicated to playing music of the Western Hemisphere.

A member of the quintet will lead an Artistic Viewpoints session at 7 p.m. prior to the concert in Schwab Auditorium. The informal discussion is free and open to the public.

**URTC season**

The University Resident Theatre Company will open its season with Sophie Treadwell's expressionist masterpiece "Machinal."

Speaking directly to the issues of women in today's society, "Machinal" reverberates with their struggles in a male-mechanized world. Directed by Helen Manfull, professor of theater arts, it opens Oct. 16 at the Pavilion Theater and runs through Oct. 24.

In November, the mood shifts to the silly with the presentation of one of William Shakespeare's most delightfully funny plays, "The Comedy of Errors." A double case of mistaken identity galloping through the realm of the absurd, the production is directed by Cary Libkin, associate professor of theater art.

"The Comedy of Errors" opens at the Playhouse Theater on Nov. 13 for a two-week run through Nov. 24.

The musical "Merrily We Roll Along," by Stephen Sondheim and George Furth, opens the spring semester at the Playhouse Theater Feb. 19 and runs through Feb. 24. It will be directed by Carole Brandt, department head and professor of theater arts.

URTC closes its season in April with the presentation of the lyrical and poetic "Blood Wedding" by Federico Garcia Lorca. This stirring and deeply emotional work, directed by Manuel Duque, associate professor of theater arts, evokes the passions of people locked in an ancient family blood-feud. Opening at the Pavilion Theatre April 16, "Blood Wedding" runs for two weeks, closing on the 24th.

Single ticket sales will begin Sept. 22 at the Eisenhower box office. For more information, call the Eisenhower Ticket Center at (814) 863-0255.

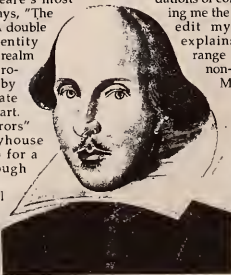
**Computer graphics**

"Computer Graphics: A New Direction in Art" by Sylvia Baron is on display in Pattee Library's Lending Services Gallery at University Park until Oct. 5.

Ms. Baron began using computer graphics as a fine arts medium in 1984. Since then, she has used IBM, Apple, and AT&T microcomputers, various software programs, and peripherals such as electronic sketch pads, printers, and scanners to create her works.

"These tools let me employ a variety of shapes, brush strokes, and gradations of colors while also giving me the ability to save and edit my sketches," she explains. Her subjects range from figurative to non-object art.

Ms. Baron earned a master of arts degree from Hofstra University in Hempstead, New York, and has studied at the Art Students League in New York City, the Silvermine Guild in Connecticut, the School of Visual Arts in New York City, and the New School for Social Research also in New York City.





# University Park Calendar

## September 17-27

### SPECIAL EVENTS

#### Thursday, Sept. 17

Bach's Lunch concert, 12:10-12:30 p.m., Eisenhower Chapel, Saxophone Quartet.

Lecture, 7:30 p.m., Classroom Bldg. John Truxal, SUNY, Long Island, with a lifetime experience in Eng. and Eng. Education. Author of *The Age of Electronic Messages*.

Talk, 7:30 p.m., 112 Kern, "Religions and Contemporary World Problems, Three Religious Traditions Respond." Rev. Anne Ard, "A Christian Response"; Jamal Bawadi, "An Islamic Response"; and Rabbi David Sudaley, "A Jewish Response."

Center for the Performing Arts, 8 p.m., Eisenhower Aud., "Fiddler on the Roof." Also Sept. 18.

#### Thursday, Sept. 19

Chinese dance workshop, 9 a.m., 5 p.m., 133 White. Director Chia-Pin Shaw, of Chinese Academy in Pittsburgh.

#### Tuesday, Sept. 22

New American Scientist Initiative Science Education Lecture Series, through Sept. 24. Speakers: Sheila Tobols, Univ. of Calif.; Elaine Seymour, Univ. of Colorado.

Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. Julio M. Ottino, Northwestern Univ., on "Fundamentals of Mixing of Viscous Fluids: Chaos, Viscosity and Self-Similarity." Refreshments, 2:45 p.m.

Dept. of Spanish, Italian and Portuguese, 8 p.m., 105 Warrick. Melynn C. Resnick, Univ. of North Carolina, on "Linguistic Conflict on the Isle of Enchantment-Bilingualism and Diglossia in Puerto Rico."

School of Music, 8 p.m., Recital Hall. Dan Yoder, saxophone.

#### Wednesday, Sept. 23

Center for Women Students, Brown Bag Lunch Series, room 1 p.m., CWS Resource Room, 120 Boucke. Gal Bruce-Sanford, CAPS psychologist, on "Appraising Our Differences."

Public Lecture, 8 p.m., Kern Aud. In English by Helene Cixous, the number one woman writer in French of this quarter century.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. A Tribute to Benny Goodman/Lionel Hampton Era, "Benny Rides Again," Eddie Daniels, clarinet and Gary Burton, vibes.

#### Thursday, Sept. 24

Noontime concert, Kern Graduate Commons Lobby, Gordon Law and Friends.

Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Low Brass: Altoona Symphony.

Disfranchised Lecture Series, 6:30 p.m., 101 Althouse Lab. K. Patricia Cross, Univ. of Calif., on "What's In the Black Box? Or-How Do We Know What Students are Learning?"

School of Music, 8 p.m., Recital Hall. Michael Davis, trombone.

#### Friday, Sept. 25

C. Albert Shoemaker Lecture, 2:30 p.m., Nitany Lion Inn. Vincent Sami on "Compelliveness: Is It Compatible with Integrity?"

Talk, 3 p.m., 502 Keller. Betsy Brand, assistant secretary for vocational and adult education, U.S.



"Six Silent Figures," a monotype/pastel by Maryanne Melitzer of Dallas, Texas, will be displayed with other monotype prints in Pattee Library's Lending Services Gallery until Sept. 30.

Department of Education.  
Center for the Performing Arts, 8 p.m., Schwab Aud. "Discovering the New World: A Celebration of 500 Years of Music."

#### Saturday, Sept. 26

Hot Show, Ag Arena through Sunday, Sept. 27.

#### Sunday, Sept. 27

Center for the Performing Arts, 3 p.m., Eisenhower Aud. "Columbus."

#### Tuesday, Sept. 29

Professional Women at Penn State, Brown-Bag Lunch Mtg., 11:45 a.m., Memorial Lounge, Eisenhower Aud. Donald Reed and John Fritz on "Personal Safety and Self-Defense for Women."

### CONFERENCES

Sept. 17. HIGH SCHOOL Yearbook Seminar; 130 attendees; local hotels/motels; E. Paibick, chair; Jerri Milsom, coordinator.

Sept. 18. INTERNET Workshop; 50 attendees; Nitany Lion Inn; D. Smith, chair; Kathy Karchner, coordinator.

Sept. 20-22. Schools for the 21st Century; 50 attendees; Nitany Lion Inn; O. Krnade, chair; Jack Sinclair, coordinator.

Sept. 20-25. Management Program for Transportation and Highway Engineers; 46 attendees; Nitany Lion Inn; J. Rose, chair; J. Menoher, coordinator.

Sept. 21-25. WSPRO; 25 attendees; Hampton Inn; A. Miller, chair; Barb Impellitteri, coordinator.

Sept. 21-25. Local/room/Review School; 40 attendees; Muehle House/Motels; G. Peterson, chair.

Sept. 21-Oct. 1. Manufacturing Strategies and Technology; 30 attendees; Nitany Lion Inn; M. Hottenstein, chair; B. Cameron, coordinator.

Sept. 22. PA Bar—How to Prepare the PA Inheritance Tax Return; 5 attendees; Local Hotels/Motels; Staley Hendrick, chair; Jerri Milsom, coordinator.

Sept. 22-24. Motor Fleet Safety for Supervisors; 20 attendees; Nitany Lion Inn; D. Smith, chair; Eric Loop, coordinator.

Sept. 22-25. Bioreactors for Cell Cultures; 12 attendees; Days Inn; K. Rashid, chair; Jerri Milsom, coordinator.

Sept. 23-24. 18th Annual Employer Advisory Council; 500 attendees; Nitany Lion Inn; T.

Larsberry, chair; J. Convery, coordinator.

Sept. 23-24. Highway Systems Showcase; 75 attendees; Atherton Hilton, Hampton Inn; S. McGregor, chair; Jack Sinclair, coordinator.

Sept. 23-24. Leadership Training Program; 85 attendees; Atherton Hilton; B. Hartman, chair; Eric Loop, coordinator.

Sept. 25-26. PA Ceramics; 60 attendees; Days Inn; Guy Findone, chair; Barb Impellitteri, coordinator.

Sept. 27-Oct. 9. Human Resources Management Program; 35 attendees; Nitany Lion Inn; A. Voere, chair; J. Menoher, coordinator.

### SEMINARS

Thursday, Sept. 17  
A.L. Bortore Lecture Series, 8:45-9:45 a.m., 118 Ag Sciences and Industries. Bruce Glick, Clemson Univ., on "Bursal Secretary Dendritic Cell: A Bursal Microenvironmental Cell." Refreshments, 8:30 a.m.

Ceramic Science, 11 a.m., 301 Steidle. John H. Sevelian, GTE Labs, on "Designing, Testing, and Modeling of Metal-Ceramic Braze Joints."

Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. David Egebebe on "Aging in the 21st Century."

Rural and Urban Differences in Adult Well Being Over the Life Course.

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Deborah Davis, Systems Modeling. Refreshments, 4:15 p.m.

Friday, Sept. 18  
Plant Pathology, 11 a.m.-noon, 208A Buckhout Lab. Lester Burgess. Univ. of Sydney, on "Mycogeography of Fusarium Species in Australian Soils."

Agromony, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Owen Carton, TEAGASC, Ireland, on "Aspects of Irish Environmental and Grassland Research at Johnston Castle."

Tuesday, Sept. 22  
Plant Pathology, 1-2:15 p.m., 112 Buckhout. Ann Orr on "Investigations Into the Mode of Action of Aromatic Hydrocarbon and Dicarboximide Fungicides."

Graduate Program in Nutrition Colloquium, 4 p.m., S-209 Henderson Bldg. South. Cheston Berlin,

Hershey Med. Ctr. on "Drugs and Chemicals in Human Milk."

#### Wednesday, Sept. 23

Slavo Center Luncheon Seminar, 12:10 p.m., 124 Sparks. Karen Robbbee and George Ertecan on "Moscow After the Revolution: Summer 1992." Brown Bag or order out pizza.

Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam Bldg. Jere Francis, Univ. of Iowa, on "A Theory of Inherent Risk as the Foundation of Risk-Based Auditing."

Eng. Science and Mechanics, 3:35 p.m., 314 Hammond. Patrick M. Lenahan on "Applications of Magnetic Resonance."

#### Thursday, Sept. 24

Ceramic Science, 11 a.m., 301 Steidle. Pamela Vandiver, Smithsonian Institution, on "Ancient Ceramic Technology."

Gerontology Center Colloquium, 4-5 p.m., 106 Mitchell. "Presentation of Projects Funded by the Center on Aging and Health in Rural America."

Dennis Shea on "The Provisions of Mental Health Services in PA Long-Term Care Facilities." Coin Ker on "Academic Medical Center Based Intervention for Rural Diabetics," and Kevin Leicht on "The Effects of Health Care Services for the Elderly on Business Failures, Business Formations, and Occupational Structures in Rural Communities in the U.S."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Ed Pines, Dain Ellis. Refreshments, 4:15 p.m.

#### Friday, Sept. 25

Agromony, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Zhengia Dou on "Fertilizer Use in China."

### EXHIBITS

#### Chambers Gallery

"Photography Exchange," works by undergraduate students from Univ. of Florida, through Oct. 9

#### Hetzell Union Building

Formal and Browsing Art Galleries:  
"Climbing Jacob's Ladder: The Rise of Black Churches in Eastern American Cities, 1740-1877," an exhibition that examines the beginnings of African-American churches. Sept. 25-Oct. 25.

#### Kern Gallery

Len Seibert, "Through a Lens's Eye," collection of photographs taken in the 1970s, through Sept. 25.

#### Pattee Library

Main Lobby:  
"Tashing the Libraries: The Preservation Problem," through Nov. 9.

Lending Services Gallery:  
An exhibit of monotype prints by Maryanne Melitzer, through Sept. 30 (see photo above).

Computer Graphics: A New Direction in Art, by Sylvia Barber, through Oct. 5.

Rare Books Room:  
Pochter: Color Illustration by Stencil. Zoller Gallery.

Prints from the permanent collection of the Frans Masereel Center for Printmaking, Kasterlee, Belgium, through Sept. 25.

#### Reflects an international perspective

# LECTURES ... September Update

## Science education lecture series set

Sheila Tobias, visiting professor of women's studies at the University of California, San Diego, and Elaine Seymour, research associate at the University of Colorado, will be the guest speakers for the New American Scientist Initiative Science Education Lecture Series Sept. 22 through 24 at University Park.

The series, which is free to the public, explores innovative approaches to undergraduate education and learning in science and mathematics. The Tobias/Seymour lectures are sponsored by the Eberly College of Science and the Department of Astronomy and Astrophysics with support from the Engineering, Coalition of Schools for Excellence in Education and Leadership (ECSEL), the Science, Technology, and Society Program; the Instructional Development Program, and the Women's Studies Program.

The schedule is: — "Breaking the Science Barrier," Ms. Tobias, 1 p.m. Tuesday, Sept. 22, HUB Fishbowl. A 2 p.m. panel discussion, "The Culture of Science Education," will examine the national organization of science careers and lifestyles and will include Mary Frank Fox of the Women's Studies Program and Susan Millar of the Center for the Study of Higher Education. At 3 p.m., there will be a faculty/student discussion on "Evidence for a Problem."

— "Saying and Leaving: The Undergraduate Experience of Science, Math, and Engineering," Dr. Seymour, 1 p.m. Wednesday, Sept. 23, HUB Fishbowl. A 2 p.m. panel discussion, "The Learning Experience" will explore the problems of women and other underrepresented groups in science, mathematics, and engineering and will include Mary Kendall of the Leonard Center and ECSEL and Donna Hughes of the Women's Studies Program. At 3 p.m., there will be a faculty/student discussion on "A Comparison of Differences in Faculty/Student Perceptions of the Problem."

— Revitalizing Undergraduate Science: Why Some things Work and Most Don't? Ms. Tobias, noon Thursday, Sept. 24, HUB Fishbowl. At 1 p.m., there will be a faculty/student discussion on "What Are Our Problems at PSU and What Should We Be Doing?"

Ms. Tobias, who is considered an expert on science education in the U.S., has been conducting ongoing research into understanding why intelligent and motivated college students have task-specific disabilities in disciplines such as science and mathematics. She is the creator of "Peer Perspectives on Science," a technique in which faculty from fields outside science and mathematics "stand in" for college students in physical sciences lessons.

A free-lance lecturer, writer, and consultant, she currently is a visiting professor at the University of California, San Diego, where she is an instructor in courses relating to feminist theory and gender and politics; a visiting scholar in the political science department at the University of Arizona; a consultant to the Research Corporation, Tucson, Ariz., and a lecturer in the physics department at the University of California, Davis, where she speaks on defense and nuclear power.

An internationally known author, Ms. Tobias has written or cowritten five books on the subject of science education. She earned a bachelor's degree in history and literature at Harvard/Radcliffe in 1957 and master's degrees in European history and philosophy at Columbia University in 1961 and 1974, respectively. Prior to her present professional appointments, she served as assistant to the vice president for academic affairs at Cornell University



Sheila Tobias

from 1967 to 1970 and an associate provost at Wesleyan University from 1970 to 1978.

Dr. Seymour, who has teaching experience in the U.S. and Great Britain, has research interests involving teaching and curriculum design for undergraduates, adult learners, reentry students, team teaching, and professional

in-training.

A sociologist, her academic interests focus on the sociologies of education, medicine, health and ill-health, deviance, and the social policies for health and education. In addition to her research on attrition rates, she also is conducting a three-year study on how pediatric nurses assess pain in infants under the age of one.

Dr. Seymour earned a diploma in social work and a bachelor's degree in economics and political science at Keele University in England, a master's degree in education at the University of Glasgow in Scotland, and master's and doctoral degrees in sociology at the University of Colorado.

The New American Scientist Initiative represents a commitment by the faculty within the Eberly College of Science to bring about fundamental change in the undergraduate educational experience. The faculty is conducting an in-depth examination of the undergraduate curricula in order to create more compelling course designs and teaching methods. The overall goal is to enable students at all levels within the university to experience, understand, and enjoy science.

## Sarni to deliver Shoemaker Lecture

Vincent A. Sarni, chair and chief executive officer of Pittsburgh-based PPG Industries for nearly eight years, will deliver the Sixth G. Albert Shoemaker Lecture in Business Ethics at 2:30 p.m. Friday, Sept. 25, at the Nittany Lion Inn at University Park. The title of his address is "Competitiveness: Is It Compatible with Integrity?"

The G. Albert Shoemaker Program in Business Ethics, a part of The Smeal College of Business Administration, was created in 1986 through a \$100,000 gift from the late coal industry executive G. Albert Shoemaker and his wife, Mercedes, of Pittsburgh. In recent years, Shoemaker lecturers have included William A. Schreyer, chair and chief executive officer of Merrill Lynch and Co., and U.S. District Judge Stanley Sporkin.

Mr. Sarni joined PPG, a Fortune 100 industrial firm, in 1968 as vice president of marketing in the former industrial chemical department. The following year, he was named vice president and general manager of the department. He was elected vice president and general manager of PPG's former chemical division in 1975, group vice president for chemicals in 1977, senior vice president of PPG in 1980, vice chair in January 1984 and chair in November 1984.

In addition to his leadership post with PPG, Mr. Sarni is a director of PNC Financial Corporation and the



Vincent A. Sarni

Hershey Foods Corporation, and is chair of the executive committee of the board of the Pittsburgh Pirates.

Deeply involved in the business community, education and public service, he is a member of the Business Advisory Council and President's Council of the University of Rhode Island, a trustee of the University of Rhode Island Foundation, vice chair of the board of trustees of Carnegie Mellon University and a trustee of Juniata College.

Mr. Sarni holds a bachelor's degree from the University of Rhode Island. He pursued graduate studies in marketing at New York University's Stern School of Business and completed the advanced management program at the Harvard School of Business. He holds honorary degrees from Juniata College, the University of Rhode Island, the New England Institute of Technology, and Robert Morris College.

The G. Albert Shoemaker Program is coordinated by Philip L. Cochran, associate professor of business administration and director of the Center for the Study of Business and Public Issues in The Smeal College.

## Official to discuss workplace literacy

Betsy Brand, assistant secretary for vocational and adult education at the U.S. Department of Education, will discuss workplace literacy, including the White House initiatives related to lifelong learning and workforce education. She will answer questions on these topics from 3 to 5 p.m. Friday, Sept. 25, in Room 502 Keller Building at University Park.

Her presentation is sponsored by Penn State Continuing Education. The University Office of Governmental Affairs helped to arrange her visit. A reception will follow the discussion. The public is invited.

Ms. Brand has held her post at the Office of Vocational and Adult Education since her U.S. Senate confirmation in 1989. She is responsible for administering the Carl D. Perkins Vocational and Applied Technology Education Act and the Adult Education Act, in addition to serving as the principal adviser to the secretary of education on policy related to adult literacy, workforce preparedness, and occupational training.

Before joining the Department of Education, Ms. Brand worked for six years as a member of the U.S. Senate Labor and Human Resources Committee for former Sen. Dan Quayle. She advised him on issues involving vocational and adult education, higher education, and job training. She also served during this time as staff director of the Subcommittee on Employment and Productivity for two years. Previously from 1977 to 1983, Ms. Brand served in the House of Representatives on the staff of the Committee on Education and Labor and as legislative aide for Rep. Tom Coleman from Missouri.

A graduate of Dickinson College, she received the American Vocational Association's Policy Maker of the Year Award in 1991.

## More LECTURES on Page 3

### CARPOLERS

Looking for an additional carpooler from ex-cess/snow Show area to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call Brenda at 863-1503. Sue at 863-4471 or Beth at 865-1858.

Michael is looking for someone to share driving on Phillipsburg area to University Park. Work hours are 10:15 a.m. to 7:15 p.m. Call 814-342-2481 after 8 p.m.

Wicki is looking to join a reliable carpool from the Howard/Jacksonville/Milesburg area. Work hours are 8 a.m. — 8 p.m. 865-3423 or 625-2457.

AWARDS

## Penn Stater editor receives national recognition



Donna Clemson, editor of *The Penn Stater*, the Penn State Alumni Association's bimonthly feature magazine, has been honored with a national journalism award.

Her work for *The Penn Stater* received third place in the general or specialized four-color magazine-editing category of the National Federation of Press Women's 1992 Communications Contest.

*The Penn Stater* also was a first-place winner in the state-level Pennsylvania Press Club contest, which precedes the national competition. The judge of the state contest commented that the alumni magazine is "chock-full of information" and "professional."



Samples of the award-winning magazine

## Associate professor of biology named Pew Scholar for 1992

Christopher F. Uhl, associate professor of biology, has been named a 1992 Pew Scholar in Conservation and the Environment.

Dr. Uhl is one of the few scientists worldwide to study and promote the restoration of tropical forests, according to the Pew Charitable Trusts, sponsor of the award. He is one of ten scholars nationwide selected to receive the \$150,000 award this year.

Dr. Uhl co-founded the nongovernmental research organization, Amazon Institute of Man and the Environment (IMAZON), in June 1990. IMAZON promotes restoration of tropical forests by conducting research, influencing land-use policies, and training Brazilian ecologists.

Dr. Uhl also conducts research on the impacts of slash-and-burn agriculture, logging, ranching, and susceptibility to fire in deforested areas of the eastern Amazon.

"The eastern Amazon is the area where frontier development began the earliest and has proceeded the furthest," he said. He hopes that his research and that of other scientists at IMAZON will influence policy makers and "reduce the likelihood that the mistakes of the eastern Amazon will be repeated" elsewhere in the world.

Dr. Uhl has been a resident of the Amazon since 1986, on leave from the Department of Biology. Prior to joining the University faculty in 1983, he was an ecological researcher at the University of Georgia. He earned a bachelor's degree in Asian studies at the University of Michigan in 1971 and a doctorate in plant ecology at Michigan State University in 1980.

A recipient of Fulbright Foundation and McArthur Foundation awards, he was named a Guggenheim Fellow in 1991. The National Science Foundation, National Geographic Society, and World Wildlife Fund have provided support for his research.



Christopher F. Uhl

### Fayette Campus

## Three faculty members honored for service

Three faculty members at the Penn State Fayette Campus have been honored with campus awards. They are:



David R. Anderson

David R. Anderson, associate professor of biology, the J. Harold Arnold Public Service Excellence Award; Russell Filburn, lecturer in speech communication, Teaching Excellence Award, and Rodger C. Henderson, associate professor of history, Research and Scholarly Excellence Award.

Dr. Anderson, a Pennsylvania Game Commission deputy wildlife conservation offi-

cer, provides public information on aspects and ecology of wildlife; performs field surveys of wildlife, and assists the Fish Commission in stocking fish and uncovering causes of water pollution.

He has been a member of the Governor's Wild Resource Conservation Board Advisory Committee and a sponsor of Junior Academy of Science Projects for Public School Students.

Mr. Filburn, who has taught speech communication at Penn State Fayette for eight years, has conducted research on applying traditional methods of



Russell Filburn

historical criticism to contemporary messages such as print advertisements, commercials, and television programs.

Dr. Henderson is widely published and has been a member of the Faculty Senate, the Committee on Student Affairs and the Library Committee. He has received many awards for his work, including the Fayette Campus Teaching Excellence Award, and a National Endowment for the Humanities Award. He currently is editor of the *Middle States Council for Social Studies Journal*.



Rodger C. Henderson

### 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, Edward Galkosz, professor of soil genesis and morphology; Norman Nelson, group leader in horticulture; Robert Page, technician in Erie County Field Laboratory; Rex Warland, professor of rural sociology, and Michael Wittman, assistant in agricultural and biological engineering, all in the College of Agricultural Sciences.

Penn State Erie—The Behrend College

# Cleveland businessman contributes \$1 million



Richard J. Fasenmyer

A Cleveland businessman has announced a \$1 million gift to help underwrite construction of a new complex of laboratory buildings at Penn State Erie.

The Behrend College.

Richard J. Fasenmyer, chairman and CEO of RJF International Corp., Fairlawn, Ohio, presented the college with the gift to expand its four-year-old plastics engineering technology program and Plastics Technical Center.

"The center is unique in that it teaches students hands-on processing skills," said Mr. Fasenmyer, who attended Penn State Erie from 1965 until 1967 and graduated from the

University Park Campus. "These students learn more than academic theory. When they graduate they move right into industry as skilled tooling, design and project engineers. Yet they're scholars who maintain an interest in research and want to improve the flexibility and efficiency of the plastics industry as a whole. For an employer, it's an unbeatable combination."

Established through an alliance with plastics manufacturers, the Plastics Technical Center provides practical solutions to design, development, and manufacturing needs for manufacturers throughout the United States.

Once housed in the new \$6 million, 55,000-square-foot laboratory complex, the center will double undergraduate enrollment to 50 students, add associate and graduate degree programs in plastic engineering technology, and increase the number of services offered to industry.

"Dick Fasenmyer's gift of \$1 million is the cornerstone upon which this new

complex will be built," John M. Lilley, provost and dean of the college, said. "Many states in general, and Pennsylvania in particular, are devoting less and less money to higher education. Without concerned friends like Dick willing to respond to proven need, both students and industry would suffer."

Penn State has contributed \$2 million in capital building funds to the complex project. The remainder of the

cost will be raised through private sources.

RJF International Corp. is a multidivisional manufacturer and marketer whose products include Koroseal commercial wallcoverings, tank linings, matting, industrial film, flexible magnetic products and extrusions. Mr. Fasenmyer also is president and CEO of Fabricated Extrusions Corp., Modesto, Calif.



Artist's rendering of new complex of laboratory buildings at Penn State Erie.

## Million dollar gift will establish scholarship

Penn State alumnus Paul Morrow of Tucson, Ariz., has committed \$1 million to establish a scholarship in the College of Engineering. The Paul Morrow Endowed Scholarships, funded by a charitable gift annuity, will be awarded annually to high achieving, full-time undergraduate students.

"A gift of this magnitude will help generations of engineering students," President Thomas said. "We are deeply indebted to Mr. Morrow for his foresight in contributing to undergraduate education."

"Over the years, I've come to the conclusion that the best thing to do is invest in people," Mr. Morrow said. "It's an investment in the future. If a scholarship can help a gifted student, or help a person be more productive and go on to improve our society, then the investment is worthwhile."

A 1932 electrical engineering graduate, Mr. Morrow worked with General Electric, then DuPont before he started the Paul Morrow Co. in 1948 in Lenni, Pa. He moved the company in 1949 to a surplus shipyard building in Wilmington, Del. In 1953, he built the first of five industrial buildings across from the Wilmington airport for the company.

The privately-owned company manufactures special industrial control systems, large load-testing equipment and variable voltage power sources that are used in large industrial corporations and in naval and private shipyards.

In 1977, Mr. Morrow relocated the Paul Morrow Co. to Tucson where he and his wife, Dorothy, now live. He gradually reduced direct activity in the company in the early 1980s and sold it to a group of employees in 1985.

While at Penn State, he was a member of Sigma Phi Epsilon fraternity and Tau Beta Pi, the engineering honorary society. A strong Penn State supporter, he is a member of the Mount Nittany Society, which recognizes the highest level of personal philanthropy to the University.

Mr. Morrow previously established the Paul Morrow Professorship in Engineering Design and Manufacturing and contributed substantially to the College of Engineering building renovations fund.

## Pledge to Convocation Center to honor parents

Peter G. and Ann Cullen Tombras, both former State College residents, have given \$50,000 to the University in honor of their parents, Mary Jane and George Tombras and Mildred and Esker Cullen.

Their gift will go toward the campaign to raise \$20 million in private funds for the Academic/Athletic Convocation and Events Center. The state has allocated an additional \$33.8 million for the project.

Peter Tombras is vice president, corporate strategic planning at Pfizer Inc. in New York City.

"Ann and I are proud to be a part of this exciting undertaking," he said. "We believe the Convocation Center will add to the vitality of the campus and enhance Penn State's reputation as a world-class institution. As former State College residents, we have retained our affection for the University and its important mission and look forward to its continued success."

Mr. Tombras joined Pfizer in 1968 and has held a variety of positions, including senior vice president and general manager of the Roerig Division of Pfizer Pharmaceutical and executive vice president of Pfizer Pharmaceutical. He received his B.S. and M.S. degrees from Penn State and his M.B.A. from the University of Pennsylvania's Wharton Graduate School of Business.

He is a director and former chairman of the board of

directors of the American Foundation for Pharmaceutical Education. He also serves on the board of trustees for Cancer Care and the National Cancer Center Care Foundation, Fisk University, Dominican College, the Brooklyn Borough Hall Restoration Foundation and Vote America. He is a member of the advisory board to the dean for St. John's University, College of Pharmacy and Allied Health Professions.

Ann Cullen Tombras is a State College native. She taught for eight years at the Lenox School in Manhattan and now is president of her own property management and design consulting firm, ACT Ltd., in New Canaan.

Private gifts are being added to the state appropriation for the center, which will host academic, athletic, cultural and entertainment events. The University's Board of Trustees approved final architectural plans for the structure in July, and it is expected to be open during the 1994-95 winter sports season. It will contain about 16,500 seats, making it the largest indoor arena between Philadelphia and Pittsburgh and the third largest in the Big 10 Conference.

The fund-raising campaign for the Convocation Center was kicked off in April 1991. Gifts and pledges now exceed \$19 million.

## First endowed scholarship in computer science

The Department of Computer Science has received its first endowed scholarship, thanks to donations totaling more than \$160,000.

The Chris Mader Memorial Scholarship honors S. Christopher Mader Jr., a 1964 Penn State graduate in engineering science who won national recognition for pioneering the use of computer programs as managerial training tools. He died in 1980.

Gifts for the scholarship came from Chris Mader's father, Stanley Mader of Interlaken, N.J., his widow, Susan Mader Brown of Washington, D.C. and his brother Carson Mader of Honesdale, Pa.

Consideration for the Mader scholarships will be given to undergraduate majors in the Computer Science Department who have completed their sophomore year, show academic promise and prove financial need.

Chris Mader earned a doctorate in business and applied economics from the University of Pennsylvania and taught at the Wharton School, where he first developed a computer simulation course in management policy. He later founded the Narbeth-based Mader Group, a management simulation consulting firm, and authored six books on business subjects.

"The Mader family's generosity in establishing a perpetual scholarship for undergraduates is a fitting tribute to Chris Mader, a gifted and innovative educator whose high regard for academic achievement was evident throughout his career," Gregory Geoffrey, dean of the Eberly College of Science, said.

Chris Mader died in December 1980 in a fire at a West Chester County, N.Y., hotel, where he was conducting a financial management seminar.

# Focus on Research

Intercom  
September 17, 1992

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## Consumers like their cold ones with a lot of



Whether a beer is dark or light, smooth or dry, or even green, as on St. Patrick's Day, how it feels inside the mouth can affect consumer preferences as much as appearance, taste and aroma, according to a University researcher.

"Of all the sensory attributes of beer, brewers least understand the concept of "mouthfeel," noted Jean-Xavier Guinard, assistant professor of foods in the College of Health and Human Development. "Up until recently, the industry even lacked a definitive set of terms to describe mouthfeel."

Dr. Guinard helped refine mouthfeel terminology while at the University of California at Davis with colleagues Susan A. Langstaff and M.J. Lewis. Their work was published in the *Journal of the American Society of Brewing Chemists* and the *Journal of the Institute of Brewing*.

"We tested 30 commercial beers with a panel of trained judges and found that nine terms were important in describing mouthfeel," Dr. Guinard said. "If adopted, these terms would replace today's seven

internationally accepted but vague terms that describe mouthfeel. These appear on what is known as the Beer Flavor Wheel, lumped under the general headings of taste and odor, although mouthfeel really is neither."

The nine mouthfeel terms proposed by the researchers are:

1. *Sting* — intensity of initial sharp pain associated with carbon dioxide
2. *Bubble Size* — size of globule of gas trapped in the beer
3. *Foam Volume* — three-dimensional extent of gas bubbles
4. *Total Carbon Dioxide* — amount of carbon dioxide in the beer
5. *Density* — perceived weight of the beer in the mouth
6. *Viscosity* — degree to which the beer resists flow under an applied force in the mouth
7. *Oily Mouthcoat* — slippery, oil-like film inside the mouth
8. *Astringency* — puckering and constricting tactile sensation on the soft tissues in the mouth
9. *Stickiness* — sensation of the tongue adhering to the palate

The researchers found that the first four terms define carbonation attributes and are affected by the levels of dissolved substances — such as protein, dextrins, alcohol, glucose, and chloride — in the beer. The remaining five terms govern sensations of fullness and afterfeel and, were found to be affected by the degree of fermentation of the beer.

Fifteen volunteer judges were trained in descriptive analysis for the project. They evaluated the 30 beers in 15 sessions over a three-week period, with each beer being tested twice.

The judges never swallowed the beer, but held it in their mouths to evaluate its feel before expectorating, as in wine tests. Each beer tested fell into one of three categories — lager-style and wheat beers, ales and Vienna-style beers, or stouts and barleywines.

"We found that sting, total carbon dioxide, and



bubble size best described the differences amongst the types of beers," Dr. Guinard noted. "For instance, lager-style and wheat beers were generally high in these attributes while ales and Vienna-style beers were of lower intensity."

The stouts and barleywines tested were characterized by high intensity of astringency, stickiness, viscosity, density, and oily mouthcoat.

"Brewery personnel should be trained to use some or all of these terms when evaluating beers," Dr. Guinard said. "A better understanding of such terminology could help the industry design new beers with mouthfeels that appeal to specific consumer markets.

"So, next time you sip a brew, take a moment to reflect on the sensations it provokes in your mouth," he added. "You may be surprised at the differences you will detect from one brand to the next."

Dr. Guinard is developing a sensory program in Penn State's Department of Nutrition, which will feature a state-of-the-art sensory science laboratory. The researcher teaches an introductory foods course in nutrition, and is offering a special topics graduate course on the chemical senses. Research at the lab will focus on the mechanisms of taste chemoreception, the role of saliva in oral sensitivities and perceptions, and on designing healthy eating programs that emphasize sensory components, as well as on determining sensory factors that influence consumer choices.

A book by Dr. Guinard on Lambic beer, a Belgian specialty, is the third volume in the *Classic Beer Style Series*, published by Brewers Publications in 1990.

— Gary W. Cramer



Jean-Xavier Guinard

**STAFF VACANCIES**

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 865-0304 (NETWORK LINE 433-0304). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, September 24. DO NOT CONTACT THE AREA THAT HAS THE VACANCY applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ 02371, Senior Applications Programmer/Analyst, Continuing Education, University Park Campus — Responsible to coordinator, Information Systems Support, for analysis, design, development, implementation and maintenance of computer systems and applications for Continuing Education. Design systems improvements and report formats; identify applications and prepare systems controls; analyze problems and recommend/develop alternative solutions to problems. Requires bachelor's degree, or equivalent, with specialized knowledge in applications programming, computer terminal operation and personal computers with a minimum of two years of related experience. SPEC GRADE 21

■ 02370, Coordinator, Information Systems, Continuing Education, University Park Campus — Responsible to director of administration and organizational development for functions of computer training; hardware and software technical assistance; design of new information management and administrative support systems. Lead position in new information systems support unit for CE. Requires bachelor's degree, or equivalent, in computer science, business, or related field plus minimum of four years of related work experience. Master's degree preferred. Computer terminal or personal computer skills along with excellent communication skills required. SPEC GRADE 22

■ 02372, Library Assistant, CES, Worthington-Scarrott Campus — Responsible for overseeing library operations such as circulation, acquisitions, serials processing, library reserve and interlibrary loan. Also responsible for providing reference and technical assistance to patrons, for assessing the campus librarian with various administrative tasks, and for supervising library personnel. Requires bachelor's degree, or equivalent, plus a minimum of three months of related work

**Employment Alert**

On Oct. 1, STAFF VACANCIES will no longer appear in the Penn State *Intercom*. Beginning on this date, staff vacancies can be accessed through EMC2 on Electronic Bulletin Boards. In addition, printed copies of these staff vacancies will appear on designated work unit bulletin boards where necessary. Telephone callers may receive the same information by calling the Penn State Job Information Service at (814) 865-JOBS.

experience. Also requires public service experience, excellent interpersonal skills and familiarity with the academic research process. SPEC GRADE 17.

■ 02373, Engineering Aide, Chemistry, Eberly College of Science, University Park Campus — Responsible for equipment and component design, modification, testing, installation, operation and maintenance of experimental parts, components and equipment. Requires associate degree in a technical or administrative program, specialized training of over 18 months and up to three years of equivalent knowledge, plus a minimum of one year of related experience. Knowledge in the operation of lab equipment and experimental hardware. Experience with CAD software, ability to read schematics, printed circuit design and fabrication, and light machine skills preferred. SPEC GRADE 18

**Hershey**

For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-4531 by Sept. 24.

■ 11443, Clinical Nurse Specialist, College of Medicine, University Hospital, Department of Nursing/IV Therapy — Responsible to the director of nursing and/or assistant director of nursing for providing nursing expertise within

higher clinical specialty. Serves as consultant, collaborator, educator, clinician, researcher and change agent for specialty area. Functions in inpatient, outpatient and community settings. Requires a master's degree in nursing plus 1-2 years of effective clinical experience in area of expertise, and current licensure by Pennsylvania State Board of Nursing. Certification in specialty area is desirable. STAFF EXEMPT, GRADE 7.

■ 19514, Assistant Manager, Department of Orthotics and Prosthetics — (Double bill with benefits) Responsible for assistance in the day to day operation of the department as well as for the construction and application of appliance. Requires a bachelor's degree or equivalency in physical therapy, occupational therapy or orthopedics/prosthetics, plus 1-2 years of effective experience. Must possess current orthotist or prosthetist certification or licensure in physical therapy or occupational therapy. STAFF EXEMPT, GRADE 6

■ 19438, Clinical Specialist—Pharmacy, Department of Pharmacy — Responsible to the manager of pharmacy for clinical activities, to include coordinating all activities associated with investigational drug studies; participating in the coordination of department pharmacokinetic services; serving as a resource person to pharmacy, physicians, and nursing staff members for drug information, and staffing of pharmacy dispensing areas as required. Requires a master's degree in hospital pharmacy or doctor of pharmacy degree with A.S.H.P. accredited hospital pharmacy residency, or equivalency plus the one-to-four years of experience. Advanced knowledge in coordination of investigational studies, pharmacokinetics, and drug information necessary. Pennsylvania registration in pharmacy or eligibility required. STAFF EXEMPT, GRADE 7.

■ 10424, Supervisor — Pharmacy, Department of Pharmacy — Responsible to the manager, and/or the assistant manager, Pharmacy Services, for overseeing the day-to-day provisions of pharmaceutical care including direction/supervision of the staff within a strategic clinical unit of the department. Requires a bachelor's degree in pharmacy plus two-to-three years of effective management experience in an institutional pharmacy practice. Master's degree science or doctor of pharmacy degree preferred. Pennsylvania registration in pharmacy or eligibility required. STAFF EXEMPT, GRADE 7.

**French writer to lecture Sept. 23**

Helene Cixous, professor of English and women's studies at the University of Paris VIII (Vincennes/St. Denis), will present a public lecture at 8 p.m. Wednesday, Sept. 23, in the Kern Building auditorium at University Park.

She is the author of some 40 books including creative texts, essays and plays, which include two modern historical dramas on the Indian partition in 1948 and on modern Cambodia for Arian Mnounchkin, noted director of one of France's national theaters.

As a critic she has worked on various arts, including meditations on the art of painting with special reference to Monet and Rembrandt. She also has composed an operatic text (*The Name of Oedipus*) set to music by Boucourechliev.

Her lecture is being presented under the auspices of the departments of French, Comparative Literature and English, the Women's Studies Program, and the Liberal Arts Office for Research and Graduate Studies.

**FACULTY SENATE NEWS**

The University Faculty Senate will meet at 1:30 p.m. Sept. 22 in Room 112 Kern Graduate Building. Items to be discussed:

- The University Future Committee, Progress Report
- Status of University construction projects
- Report on Capital Budget Planning Process
- Blue Sheet of Sept. 1, 1992
- Awards and Scholarships
- Summary of Academic Renewal Petitions
- Summary of Petitions for Waiver of the Ten-Credit Limit for Nondegree Conditional Students (Student Policy 14-00)
- Research Policy Statements
- Faculty Rights and Responsibilities, Annual Report
- Joint Faculty/Administrative Committee on Insurance and Benefits
- Task Force on the Future of Health Care and Life Insurance
- Joint Faculty/Administration Committee on Faculty/Staff Status of the Faculty/Staff Club.

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September 17, 1992  
Vol. 22, No. 5

**PENNSTATE**  
  
**INTERCOM**  
Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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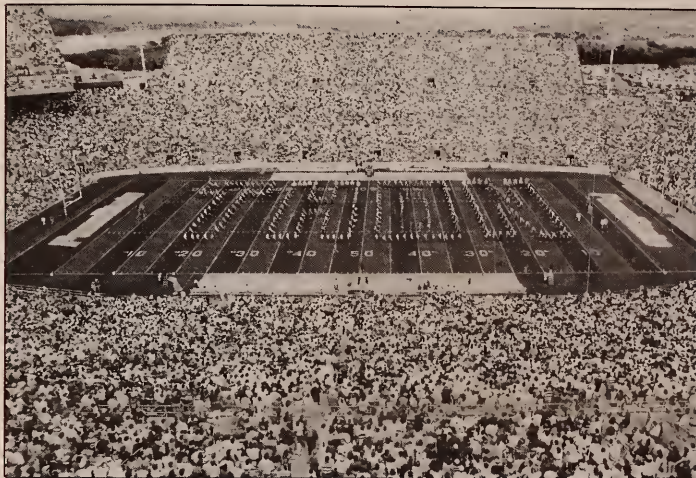
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# INTERCOM

September 24, 1992

Volume 22, Number 6



Saturday's halftime show at Beaver Stadium was a salute to the 20th anniversary of the Interfraternity/Panhellenic Dance Marathon. More than \$1 million was raised by the 1992 event for the children with cancer at The Milton S. Eshelby Medical Center. The Penn State Blue Band, show above in its "THON" formation, was joined by the Penn State International Dancers. To date, the Dance Marathon has raised more than \$4 million for the Four Diamonds Fund at the Medical Center. The funds help to expand patient care, family support services, and cancer research.

Photo: Greg Grieco

## Four University students named national scholars in two programs

Three students in the University Scholars Program—Jonathan D. Halderman of Altoona, Gregory A. Lazar of Columbia, S.C., and Jessica E. Stehr of Beavertown—have been selected to receive Barry M. Goldwater Scholarships for the 1992-93 academic year.

The Barry M. Goldwater Scholarship program is a national merit-based award established by the U.S. Congress in 1966 to foster excellence in the natural sciences, mathematics and engineering.

"I am very pleased that three of our students have been recognized by being named Goldwater Scholars," President Thomas said. "All three show enormous promise in their fields. We will continue to encourage them in their studies and look forward to following their careers."

Earlier another undergraduate, Alison Marshall of State College, a

junior majoring in political science and art history, was selected as a Harry S. Truman Scholar for 1991-92.

The Harry S. Truman Scholarship

*The Goldwater Scholarship program is a national merit-based award ... to foster excellence in the natural sciences, mathematics and engineering.*

Foundation awards scholarships to college students who have outstanding leadership potential, plan to pursue careers in government or elsewhere in public service, and wish to attend graduate school to help prepare for their public service careers.

"We are very proud of Alison

Marshall's achievement and the national recognition of her hard work and accomplishments," Dr. Thomas added. "She represents this University very well and her scholarship will enhance her already strong leadership skills for the future."

Mr. Halderman, a junior in engineering science and mechanics, was a cooperative education student at the NASA Langley Research Center last spring. He has also been a FORTRAN programmer for the Department of Engineering Science and Mechanics at Penn State and an engineering intern at the Pennsylvania Department of Transportation. After completing undergraduate and graduate degrees, he plans a career in aerospace research.

See "Scholars" on Page 4

## Summary of benefit changes

Several important improvements have been under consideration for a number of the benefits provided by the University to faculty and staff members.

In order that an in-depth assessment be made of a number of University benefits, President Thomas and Peter Deines, chairperson of the University Faculty Senate in 1991, appointed 12 faculty and staff members to serve on a task force.

The task force assessment and recommendations spanned several areas. Benefits for healthcare, dental and vision coverages, and life insurance received comprehensive study. Present and potential faculty and staff wellness programs were included in the study.

As the discussions progressed, several key areas of concern were identified. A major fact was the escalating cost of healthcare. Also, the task force members continually expressed concern regarding the cost impact on their colleagues. From these, however, developed the realization that these mutual issues could only be dealt with successfully through a partnership between the University and faculty and staff.

The task force made a number of recommendations, some of which are still under study. Many of the changes recommended were in response to requests that the benefits programs be more flexible and that individuals be given more choices both in benefits available, as well as in the selection of specific benefits based on personal or family need.

The following is a summary of those areas at this time that have been approved for implementation.

### Life Insurance

The most significant recommendation, which has been approved for Jan. 1, 1993, is that the group term life insurance program be made more flexible and offer more choices for University employees. Participation in the group term life insurance program will be voluntary as of Jan. 1, 1993.

Faculty and staff members will have three choices: 1) remain in the current level premium plan with the first \$5,000 of coverage being provided by the University; 2) change to a plan with premiums based on age (age-graded) with amounts of life insurance being 1, 2, 3 or 4 times salary to a maximum of \$300,000 in addition to \$5,000 of life insurance provided by the University; or 3) decline to

See "Benefits" on Page 9

DIVERSITY

# Successful Upward Bound program funded at highest level in 24 years of continuous service

Penn State's Upward Bound program has received federal funding of \$977,166 for the next three years, the highest level of funding in the program's 24 years of continuous service.

"The Penn State program continues to be well supported because it is highly successful. It focuses on getting students actively involved in learning and on helping them develop problem-solving skills," Howard Wray III, assistant dean for undergraduate education and academic assistance programs, said.

Unlike many federal or state educational programs, Upward Bound funding is highly competitive, without automatic entitlements by population, state or region.

Upward Bound provides intense academic and personal support to motivate and prepare low income and minority high school students to be the first in their families to enroll and graduate from college. In Pennsylvania, 19 Upward Bound programs have been funded to date, and about 550 will be conducted nationwide.

Penn State's program includes 120 students from 11 rural high schools in Clearfield, Centre, Mifflin,

Huntingdon and Dauphin counties. It offers academic support programs throughout the year, includ-

es, and presented results to an audience of teachers. Computer classes, a seminar on ethics in science and technology, and sessions in which seniors explore careers with local professionals at the work site, such as a child care center, the Centre Community Hospital, engineering and medical offices, as well as sessions with college counselors are other reasons why the summer session is central to the success of the program.

During the school year, Upward Bound students visit the University Park Campus to learn about college life and meet with faculty members and former Upward Bound students now succeeding in college. They also visit research facilities, attend cultural and sports events and meet with admissions and financial aid counselors. Many also receive tutoring in their home high school and attend study skills and SAT workshops.

"In the past four years, more than 90 percent of Penn State Upward Bound students have been accepted into the post secondary program of their choice and at least 80 percent have enrolled. About half have enrolled at Penn State," Ms. Weilaeher said.

**Unlike many federal or state educational programs, Upward Bound funding is highly competitive, without automatic entitlements by population, state or region.**

ing an intense, six-week residential program for about 60 students each summer.

At the heart of Penn State's program is the summer session, which Geri Weilaeher, program director, said is tuned to today's educational needs and uses real-life problems to teach analytic skills.

This summer, students age 13 to 18 focused on problem-solving skills by learning how to conduct research. They worked in small groups on real-life community needs, such as stream pollution and parking needs; collected data, did statistical analy-



**World Champion Twirler** ... John Mitchell of Pittsburgh, the first African/Black American feature baton twirler with the Penn State Blue Band, has won the men's 1992 World Open Solo Baton Twirling Championship, held at the University of Notre Dame. Mr. Mitchell, who won for his technique of twirling a single baton, practiced about two hours a day for several months to perfect the routine of two minutes and 20 seconds.

Photo: Greg Gifacio

## Diversity Opportunities Calendar

**Saturday, Sept. 26**

African-American Relations Committee, noon to 6 p.m., Sunset Park. African-American Unity Day Picnic. Hamburgers and hotdogs will be served. Games will be featured. Participants are asked to bring a side dish. Family members welcome.

**Wednesday, Sept. 30**

Women's Studies and the Department of Human Development and Family Studies, 8 p.m., HUB Assembly Room. Lecture titled, "Women Divided: The Politics of Ageism," by activist and writer Barbara MacDonald.

**Thursday, Oct. 1**

Central Pennsylvania Women of Color, noon to 1 p.m., Hotel State College. Regular lunch meeting. Guest speaker will be Cynthia King, Center for Minority Staff Development director/senior mentor.

Central Pennsylvania Women of Color, 7:30 to 9:30 p.m., HUB Gallery Lounge. Social program titled, "Sweet Greetings," invites all area women to bring ethnic deserts with copies of recipes to sample and share. For more information, contact Beverly Ladrido at 865-8366.

**Saturday, Oct. 3**

Office of Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "Promotion and Tenure" is the topic of the first in a series of faculty development workshops. Blannie Bowen, professor of agriculture and extension education, will be the speaker. To make reservations, contact Ms. Leah Witzig at 863-1663 by Tuesday, Sept. 29. All junior faculty are welcome to participate.

## WPSX-TV airs minority voter concerns Sept. 28

In cities across the country, minority voters feel disenfranchised, forgotten by the very people they have elected to protect their interest. They had the opportunity to speak however at "Voices of The Electorate" town meetings held in nine major cities during May, June and July as part of a grassroots/media project that seeks to reconnect minority voters to the electoral process.

Two specials, *Voices of the Electorate: The African American Voter* and *Voices of the Electorate: The Hispanic American Voter*, airing Monday, Sept. 28 from 11 p.m. to 1 a.m. on WPSX-TV, are the culmination of the "Voices" project. The programs, one devoted to African

American voters and the other to Hispanic Americans, highlight and examine the issues of concern to these groups by including portions of the town meetings, analysis of the role the media played in the process, and interviews with citizens who help put findings of the "Voices" project into perspective. The presidential candidates will be given an opportunity to respond to voters' concerns.

Barbara Jordan, former congresswoman and a keynote speaker at the Democratic Convention in July, and Henry Cisneros, former mayor of San Antonio and co-chair of the National Hispanic Leadership Agenda, host.



# Annual celebration of cultures to kick off Oct. 3

Music, dance, ethnic foods, crafts and children's activities will be highlighted as the Centre Region Community and the University host the 4th annual Festival of Cultures on Saturday, Oct. 3, from 10:30 a.m. to 6:30 p.m. at the Central Parklet, located behind the Frisco Street Post Office in State College.

Featuring many types of food, fashion, arts, crafts, dance, storytelling and children's games, the festival is intended to provide an enjoyable means to bring people of all ages and cultural backgrounds together — to learn about each other's cultural heritage and celebrate this area's diversity.

"We are delighted that the festival is growing in support and interest each year," Jim Steff, planning committee co-chair and COG executive director, said. "This is an important opportunity to foster improved town and gown intercultural relations in a

way that is fun and enlightening for participants young and old. Many university and community groups work together to make this event possible. Central Parklet provides an ideal setting, close to downtown, the campus, and residential areas of State College, with parking facilities available."

Some of the community groups involved in this annual endeavor include the State College Area School District, State College Borough, Ferguson Township, Chamber of Commerce, AAUW, Sororistipms, Penn State Office of International Programs, Penn State Academic Assistance Programs, Centre Region COG, TCI of Pennsylvania, and the Downtown Business Association.

The Festival of Cultures, a celebration of all those qualities that make each culture unique, is an excellent opportunity to share one's heritage and to note this area's wonderfully diverse character," said Tony Jones, planning committee co-chair and account executive for

Keystate, Inc. "By providing this day in the park, we hope to generate excitement and create more avenues for cross-cultural understanding among members of the local and university communities."

Two very popular cooking contests are highlighted in this year's event. A "Chili Challenge" is sponsored by the Native American Indian Student Association, and a "Buffalo Chicken Wing Cook-Off" between local restaura-

nts: Stoney's Cafe 210, Surf Club, Lion's Den, Charley's, and the Alpine Shop. Six local restaurants also will provide concession booths offering a variety of international flavors.

Musical performances will feature well-known local groups: The Earthtones, Little German Band, Ecclesiastes Gospel Group, and in addition, a Native American drum and dance group from Washington, D.C. Attractions for children include various hands-on activities and a puppet show by Kim Mitchell at 11 a.m. Other special guests include Ermyrn King, a skilled lute-spinner who illustrates her narrative with musical instruments of different cultures at noon, and Irvine Twin who entertains with Native American storytelling at 10:45 a.m.

All members of the local and university communities are invited to participate and celebrate at this annual event. For more information, contact Mr. Steff, 231-3077.



## Pennsylvania College of Technology

### Women's Series calendar set

Three dramatic productions and a spectrum of writers and photographers highlight this year's Women's Series calendar at the Pennsylvania College of Technology.

Leading off the series, on Wednesday, Oct. 28, is "DeathSongs," an innovative historical theatre piece which probes the realities of the Spanish conquest under the command of Christopher Columbus.

On Monday, Nov. 16, Emmy award-winning TV comedy writer Gail Parent shares thoughts on television and fiction novels.

"When the Chickens Came Home to Roost" comes to Penn College on Thursday, Jan. 28. The Black-American history drama views the relationship of Malcolm X and his mentor, Elijah Muhammad.

Patricia and Fredrick McKissack, well-known authors of children's books, join the Women's Series line-up on Thursday, Feb. 18. The McKissacks have won two C.S. Lewis Silver Medals for outstanding contribution in the area of religious books for children.

Humor, hair spray and gossip take over the stage on Tuesday, March 9, with the national tour of "Steel Magnolias." Accomplished photographer Elaine O'Neil appears on Monday, March 29. O'Neil is currently director of the School of Photographic Arts and Sciences at Rochester Institute of Technology.

Concluding the series on Wednesday, April 14, is Jill Krementz, considered to be one of the most talented and gifted photojournalists of the day.

All Women's Series events begin at 7 p.m., in Penn College's Academic Center Auditorium. Tickets for the series can be obtained through the Penn College Box Office at (717) 326-2424.

## Forum on Black Affairs names executive officers

New executive officers have been elected to The Forum on Black Affairs.

The 1992-93 executive board includes LaVerne Gyant, president; Gary Kelsey, immediate past president; Earl Merritt, president-elect; Carolyn Boswell, Penn State Delaware County Campus, east liaison; Louis Ritzley, Penn State Fayette Campus, west liaison; Jennifer A. Sharpe, secretary, and James A. Locker, treasurer.

Committee chairpersons include: Greg Goldsmith, education; Douglas Gwynn, membership; Lawrence W. Young Jr., social; Earl Merritt, ways and means; Shawn Arango, alumni affairs; Ossie Parker, women on Black Affairs; and Aaron Singleton, media liaison.

Comprised of faculty, staff and graduate students, the Forum on Black Affairs was established to help provide a more comfortable environment for African/Black American members of the University community. Through educational, civic, cultural and social activities, the organization seeks to form mean-

ingful and productive partnerships with the community and other University organizations in order to encourage the development of African/Black Americans at Penn State.

The organization, which has approximately 70 members, has been responsible for conducting several annual campus and community events. They include the Annual Martin Luther King Memorial Dinner and the Celebration, Black History Month programs at the State College Area School District, education and development projects at the State Correctional Institution at Rockview, social events for the African/Black American community and educational programs for members.

Any Penn State student, faculty or staff member is welcome to join the Forum on Black Affairs. The organization meets 7 p.m. the first Wednesday of every month in the Paul Robeson Cultural Center. For more information, contact, Douglas Gwynn at (814) 865-2222.

## Annual directory now available

The ninth edition of the Directory of Minority Ph.D. and M.F.A. Candidates and Recipients is now available.

Published annually by the Committee on Institutional Cooperation (CIC), the directory aims to increase professional opportunities for minority graduate students, and to aid colleges, universities and other potential employers in recruiting highly educated, underrepresented minorities. This is the second year master's of fine arts degree recipients have been listed.

Included in the directory are U.S. citizens who have completed or expect to complete their doctorates or M.F.A. degrees between 1992 and 1994 at one of the participating CIC universities.

The major research universities that make up the Committee on Institutional Cooperation are the universities of Chicago, Illinois at Chicago and at Urbana-Champaign; Iowa, Michigan State, Northwestern, Ohio State, Penn State and Purdue universities.

CIC institutions award more than 18 percent of the doctorates earned annually in the United States.

Organized by both field of study and name, the directory has detailed information on each student. A CIC graduate dean's panel identified and contacted minority Ph.D. and M.F.A. candidates and recipients at each member university.

The CIC Directory of Minority Ph.D. and M.F.A. Candidates and Recipients is available for \$15, plus \$3 handling, from the Committee on Institutional Cooperation, 302 E. John St., Suite 1705, Champaign, IL 61820.

## Women's group to meet

The Women's Alliance, a town-and-gown networking group, will meet at noon on the third Wednesday of each month for lunch at the Canton Restaurant (222 Calder Way), State College. The next lunch will take place Oct. 21. Professional women in State College and at Penn State are welcome to attend for informal discussion and networking. No reservation is required.

## CARPOLERS

Sue needs one more driver to join her carpool from the Phillipsburg area to University Park. Her work hours are 7:30 a.m. to 4:30 p.m. Call 865-2377.

Looking for an additional carpooler from McVeytown/Lewisstown area to University Park. Work hours are 8 a.m. to 5 p.m. Call Jennifer at 865-6621 or Yvonne at 865-1318.

## PENN STATERS

Jean-Marc Bollag, professor of soil microbiology, gave an invited talk, "Synthesis of Complex Organic Structures in Soil Habitats," at a symposium organized in honor of Dr. Reinhard Bachofen at the University of Zurich, Switzerland. Dr. Bollag also gave a seminar on "Biotransformation of the Herbicide Metolachlor" at the Laboratoire de Microbiologie des Sols at Dijon, France.

Elsworth R. Buskirk, retired Marie Underhill Noll professor of human performance, has been honored with a Healthy American Fitness Leader Award. The awards are presented annually to 10 individuals who have made significant contributions in promoting fitness and health.

Anthony Mitchell, a Continuing Education staff member at the Penn State McKeesport Campus, and Allan Quigley, assistant professor and regional coordinator of adult education at Continuing Education's Monroeville Center, delivered a paper on "Forgotten Leaders of African American Adult Education: 1863-1963" at the Adult Education Research Conference in Saskatoon, Canada.

Robert E. Newnham, Alcoa professor of solid state science at the Materials Research Laboratory, has received the first International Prize of the International Academy of Ceramics in recognition of his discoveries in the area of electronically active composites.

Clayton O. Roud, assistant director of the Materials Research Laboratory and professor of industrial engineering, has been named to the organizing committee and is co-chair for the Sixth International Symposium on Nondestructive Characterization of Materials to be held June 7-11, 1993, in Oahu, Hawaii.

Ernst Schurer, professor of German and Fellow of the Institute for the Arts and Humanistic Studies, chaired a session and delivered a paper on "The Native American in Modern German Travel Literature" at the 60th annual meeting of the American Association of Teachers of German (AATG) in Baden-Baden, Federal Republic of Germany.

Robert F. Tauber, associate professor of education, delivered lectures to University of Tasmania, Launceston and Hobart campuses, Northern Territory University (Darwin), and Ballarat University College, Melbourne on the subject of conducting research with limited resources.

Monique Yaari, associate professor of French, presented a paper titled "Ironies of Modern/Postmodern Art: Duchamp, Magritte, Adam" at the International Conference on "The Turn of the Century" in Antwerp, Belgium.

## Highlight on Undergraduate Education

A new project at the University linking courses students take with what they learned will give faculty and administrators information on what measures are most appropriate to assess student learning at research universities nationwide.

The Office of Undergraduate Education recently received a three-year, \$277,000 grant from the Fund for the Improvement of Postsecondary Education to implement a proposal: "Linking Student Assessment and General Education in a Large, Complex Research University."

"This project will address how a public research university assesses what courses in general education are most effective in increasing

undergraduate learning and will guide curricular reform and student advising," said C. Gregory Knight, vice provost and dean for undergraduate education and co-principal investigator of the project.

While many colleges and universities have implemented student assessment programs or reformed their general education requirements, there is little indication that these efforts have been conducted in support each other or that they have led to improvements in student learning.

Researchers in the Center for the Study of Higher Education recently developed a model that specifically links general education assessment outcomes to curricular improvement. Project researchers plan to extend the model to link curricular design, assessment and improvements in undergraduate teaching and learning.

But, according to Project Director Elizabeth A. Jones, developing an assessment of general education in research universities is especially difficult because of their diverse curricula — thousands of courses which are usually loosely organized into distributional plans of general education — and because general education often is guided by professional or academic programs rather than by institution-wide standards.

"Typically, students in different programs of study learn different content, skills, values and attitudes toward learning,

so any approach to finding the best measures must recognize this curricular diversity and its effects. We have designed the project to gather information on both student outcomes and on curricular processes."

Assessment results will document effective coursework patterns and actual sequences of courses associated with improvement in student learning. The researchers also will conduct interviews with faculty to test further their findings.

Others who will participate in the project are James M. Rambeau, administrative liaison, associate professor of English and American studies and associate dean for under-

graduate education, and two members of the Center for the Study of Higher Education; James Ratcliff, professor, director and senior scientist and director of

**"This project will address how a public research university assesses what courses in general education are most effective in increasing undergraduate learning..."**

C. Gregory Knight  
dean for undergraduate education

the National Center for Post Secondary Teaching, Learning, and Assessment, and Patrick Terenzini, professor, associate director and senior scientist, both of whom will be project consultants.

Penn State's general education courses for about 60,000 undergraduates at 20 locations statewide were instituted by the University Faculty Senate in 1988 to replace a loose set of baccalaureate degree requirements set by academic colleges.

After a 1991 Task Force on Undergraduate Education Report called for a comprehensive student outcomes assessment, President Thomas appointed a Commission on Undergraduate Education to oversee improvements and assessment activities. In addition, a University subcommittee currently is reviewing general education course content for consistency with the goals established by the Senate. Both groups will work closely with project researchers.

"The results of this assessment will help us determine the extent to which the goals of general education are being met and will be a model for assessment efforts at other research universities," Dr. Knight said.

## Scholars

Continued from Page 1

Mr. Lazar is a senior in molecular and cell biology and is pursuing a simultaneous honors degree in chemistry. He

plans a career in biomedical cancer research after finishing his undergraduate and graduate degrees. He has been an undergraduate research assistant in the biophysical chemistry laboratory since his freshman year and is working on protein folding.

Ms. Stehr, a junior also majoring in molecular and cell biology, is planning an academic career in basic biological and agricultural research in insect science. She has been conducting research in the Department of Entomology on the immune response of insects to foreign organisms since her first semester at Penn State.

Ms. Marshall, a graduate of State College Area High School, co-founded the Swartz of the Round Table Enterprises, which

facilitates partnerships between business and charities to serve the public. She cultivated a partnership between the American Red Cross and SBS Bookstore, a downtown business, in the development of a textbook delivery service that included free advertising and a share of SBS' profits for the Red Cross.



National award winners, from left to right are, Greg Lazar, Allison Marshall, Jonathon Halderman and Jessica Stehr

Photo: Greg Grieco

## Innovative Minds seminar series opens with promising schedule of speakers

Innovators in negotiations, environmental issues and management will headline the speaker list for the first Innovative Minds seminar series offered through the Leonhard Center for Innovation and Enhancement of Engineering Education at University Park.

The series is the first campus-wide event offered by the Leonhard Center, established with an \$11 million endowment commitment by engineering alumnus William E. Leonhard. The Leonhard Center is dedicated to enriching and revamping engineering education.

Dale M. Gorczynski, Houston City Councilman, will speak on "Negotiating Innovatively" at 1 p.m. Monday, Sept. 28, in the HUB

Fishbowl. Mr. Gorczynski, author of *Insider's Guide to Environmental Negotiation*, will draw on his experience in city government to discuss the art of negotiation.

Jaquelyn Wonder, a best-selling author, and Jack Matson, director of Leonhard Center, will give a workshop on "Change: The Key to Personal Innovation" from 9 a.m. to 4 p.m. Friday, Oct. 2, at the Keller Conference Center. The team will offer insights into skills and techniques which foster flexibility and encourage risk taking.

Phil Bedient, chair of the Department of Environmental Science and Engineering at Rice University, will speak on "Innovative Use of Computers in Learning," at 3

p.m. Friday, Oct. 30. Author of *Hydrology and Floodplain Management*, he pioneered the use of computers as learning tools in environmental engineering.

The seminar series is sponsored by the Leonhard Center, the Engineering Coalition of Schools for Excellence in Education and the Department of Civil Engineering Environmental Engineering lectures are free to the public. The innovation workshop is available on a first-come basis at \$90 per participant.

For more information, contact Candace Davison, seminar organizer, at 865-4017.

## United Way campaign set to begin

Kickoff of the 1992 Penn State United Way fundraising campaign is scheduled for 1 p.m. Tuesday, Sept. 29, in the Ballroom of the Nittany Lion Inn. All volunteers are invited to the "make-your-own sundae" bar and pop rally.

Jim Ryan, campaign chair, will introduce the steering committee and team leaders and discuss the strategy for the 1992 campaign. President Thomas will talk about Penn State's commitment to United Way. Entertainment will be provided by the Penn State Blue Band, the Lion and cheer-leading squad.

All attendees will be registered for prize drawings that will be held at the kickoff. The food and prizes for the event have been donated by the Nittany Lion Inn, the University Creamery, Penn State Bookstore, Team Penn State, the College of Agricultural Sciences, and the Center for the Performing Arts.

The United Way Steering Committee has announced the team leaders for its 1992 campaign. These individuals will serve as a source of information and organization for their respective areas:

Sara W. Alterio, Student Services; Sharon E. Becker, Office of the President; Mary Jane Fisher, Budget and Resource Analysis; Donn Frazier, Corporate Controller's Office; Alan J. Grill, College of Education; Virginia

Imboden, Research and Graduate School; Cinda Kostyak, College of Communications; Anil K. Kulkarni, College of Engineering.

Joseph Lambert, Eberly College of Science; John Leathers, Commonwealth Educational System; William Loop, College of the Liberal Arts; John Marshall, Continuing Education; Kathleen D. Matson, College of Earth and Mineral Sciences; Salvatore Meringolo, University Libraries; D. Lewis Mothersbaugh, Business and Operations; Ginny Newman, College of Health and Human Development.

Paul Peworzhik, Computer and Information Systems; Robert Sams, College of Agriculture; Debra Shaffer, Education Services; Trudy A. Smith, The Smolen College of Business Administration; James Stephenson, College of Arts and Architecture; Roger Williams, Development and University Relations; Linda Woodring, Intercollegiate Athletics; Rebecca Young, Undergraduate Education.

"These individuals have volunteered their time and energy, in a show of support for Team Penn State and United Way," Dr. Ryan said. "The committee is proud to be able to include them on our roster. Their efforts have laid the groundwork for a successful 1992 campaign."

## Columbus is topic of brown bag lunch on Oct. 1 at University Park

"The Catholic Crusades and the Columbian Invasion" an exploration of the role of Christopher Columbus in the New World as an extension of the Crusades, is the topic of a brown bag lunch Thursday, Oct. 1, in 118 Willard Building at University Park.

Joseph J. Fahey, director of the Peace Studies Program and professor of religious studies at Manhattan College in New York City, will speak and lead the discussion at the event sponsored by the Penn State Peace and Conflict Studies Association and the Science, Technology, and Society Program.

A well-known expert and author in peace studies and religion, Dr. Fahey's publications include *A Peace Reader: Essential Readings on War, Justice, Nonviolence and World Order; Peace, War, and the Christian Conscience*, and *Reinhold Niebuhr on Human Nature and World Peace*.

Dr. Fahey serves on the executive committee of the Peace Studies Association and the advisory board on Justice and Peace Studies of the Association of Catholic Colleges and Universities. He has taught at Fordham University, Vassar College, Sacred Heart University, and Maryknoll School of Theology and was an honorary research fellow in peace studies at Queens University, Belfast.

His visit is in conjunction with preparations for the National Peace Studies Association Fifth Annual Meeting at University Park, March 15-14, 1993.

The brown bag lunch is open to the public. For more information, contact Barbara Bogue, 863-2132.

### FACULTY/STAFF ALERTS

#### Smoking Cessation Clinic

The American Lung Association Freedom From Smoking Clinic will be offered at University Park starting Tuesday, Sept. 29. The eight-session program provides assistance with withdrawal symptoms; strategies for coping with social situations as a new nonsmoker, and guidance to stay smoke-free for a lifetime. It is designed for smokers who want a structured program over a longer period of time and takes the participant through the first few weeks as a nonsmoker.

The group will meet on Tuesdays from Sept. 29 through Nov. 10 and also on Thursday, Oct. 22. Each session will be held from 12:30 to 2 p.m. in Room 320 Classroom Building. Enrollment is limited to 15. The cost of the program is \$60; cover materials and provider's fees.

Registration forms may be found in "Healthy Happenings" brochures and the Human Resource Development Center Course Schedule. For additional information, call the Faculty/Staff Health Promotion Office at 865-3085.

#### My New Weigh of Life

The fall semester's My New Weigh of Life program begins Tuesday, Sept. 29, at University Park. The 12-week nutrition education and behavior modification program provides an informative, active, personal approach to lifestyle change for weight loss and maintenance. Participants keep records, increase exercise, complete assignments and establish a maintenance and support group.

The group will meet on Tuesdays from Sept. 29 through Dec. 15. Sessions will be held from noon until 2 p.m. at the Penn State Nutrition Center, 17 East Allen Way. The cost of the program is \$45.

Registration forms may be found in "Healthy Happenings" brochures. For additional information, call the Faculty/Staff Health Promotion Office at 865-3085.

#### SERS field office

The State Employees' Retirement System (SERS) has opened a field office at the Harrisburg Regional Counseling Center, 30 N. Third St., Room 319, Harrisburg, PA 17107, telephone 717-783-9517.

Personnel in that office will serve SERS members who work in the following counties: Adams, Cumberland, Dauphin, Franklin, Lancaster, Lebanon, Perry, Schuylkill and York.

The following services, which have been provided by the Employee Benefits Division of the Office of Human Resources, will be handled by the field office: individual and group retirement counseling, rollover estimates, applications for retirement, and the processing of applications for purchase of prior service, including military and out-of-state service.

The Employee Benefits Division will continue to enroll new members in SERS, process beneficiary changes, and handle withdrawal of retirement contributions for those who terminate but are not eligible for a pension.

This is the seventh and final field office which SERS has opened in order to better serve active and retired members of the retirement system. Other field offices are located in Montroseville, Wilkes-Barre, Seneca (northwest), Philadelphia, Pittsburgh and State College.

### PROMOTIONS

#### Staff Exempt

Thomas B. Bowers, to security supervisor at Hershey.

Cynthia A. Miller, to research support associate at Hershey.

#### Staff Nonexempt

Suzanne Johnson, to senior ultrasound technologist at Hershey.

Cheryl A. Richmond, to data professional fees coordinator at Hershey.

#### Clerical

Deborah S. Brouse, to clerk, typist A in Health and Human Development.

Annette K. Logan, to secretary B at Hershey.

Betty J. Smith, to senior office secretary at Hershey.

Nancy J. Smith, to secretary B in Engineering.

Gina L. Zang, to clerk, accounting A in Science.

#### Technical Service

Marcy L. Bledsoe, to anesthesia technician at Hershey.

Joyce L. Hopsom, to food preparer B in Housing and Food Services.

Patricia L. Hutchings, to food preparer B in Housing and Food Services.

## Odyssey on WPSU

Chinese wives, mothers, goddesses, and revolutionaries are examined from a feminist perspective on the next Odyssey Through Literature broadcast, "Woman in a Small Boat."

Yue Daiyun, professor of comparative literature at the University of Beijing, introduces series host S. Leonard Rubinstein to the fiction and poetry of modern Chinese feminist writers, and discusses her autobiography, *To the Storm*.

*Odyssey Through Literature* is produced by the Department of Comparative Literature in the audio studies division of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

## Scopes on WPSU

Rafael Cordova, professor and head of astronomy and astrophysics, is the featured guest on today's segment of the WPSU radio program, "Scopes: Women and Minorities in the Sciences at Penn State." The half-hour program will air at 12:30 p.m. following a companion National Public Radio program titled, "Science Lives: Women and Minorities in the Sciences" which will begin at noon. The topic of the companion National Public Radio program is "Opportunities in a Crisis."

Dr. Cordova is an internationally recognized leader in astronomy and in science policy issues. She is a member of the National Science Foundation's Advisory Committee for Astronomical Sciences and the U.S. National Committee of the International Astronomical Union. Linda Schiebing, associate professor of history and host of the series, will interview Dr. Cordova.

"Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

## Bach's Lunch

The Altoona Symphony's only low brass section will perform in concert at 12:10 p.m.

Thursday, Sept. 24, in the Helen Eakin Eisenhower chapel at University Park.

The 20-minute concert is part of the Bach's Lunch Series sponsored by the School of Music and the University Lutheran Parish.

The program will include "Trombone Trio" by Ray Premru and a work by Arcadia Dubensky.

Mark Lusk of the School of Music faculty and three graduate assistants in the low brass area, all of whom are members of the Altoona Symphony's

low brass section, comprise the quartet. The graduate assistants are Steve Decker, graduate assistant in the jazz program and Ph.D. candidate in the music education program; trombone; Ben Chouinard, master of music candidate in trombone performance; bass trombone, and Joe Skillen, master of music candidate in tuba performance, tuba.

## Featured author

Dwight Landis, author of *Trout Streams of Pennsylvania, An Angler's Guide*, will be the featured author at the Penn State Bookstore from 2 to 4 p.m. Friday, Sept. 25. He will be available to sign and discuss his book and give fly-tying demonstrations.

*Trout Streams of Pennsylvania* (Hempstead-Lyndell, 1991) is a comprehensive guide to the great variety of trout fishing available in Pennsylvania.

In its 232 pages, the book describes over 300 trout streams, ranging from tiny brook trout streams to large trout rivers such as the Delaware and the Youghio-geney.

## Dwight Landis

In his 232 pages, the book describes over 300 trout streams, ranging from tiny brook trout streams to large trout rivers such as the Delaware and the Youghio-geney.

pole while still a toddler on his family's farm pond. At the age of 15 he was introduced to fly fishing for trout and fly-tying. He has fished extensively throughout Pennsylvania, searching for the best trout streams.



## Chamber orchestra

The Pennsylvania Centre Chamber Orchestra will open its 1992-93 season, "An Orchestra for all Seasons," at 3 p.m. Sunday, Sept. 27, in the Faith United Church of Christ, 300 College Ave., State College.

The orchestra, under the direction of Douglas Meyer, associate professor of music, will present Schubert's Symphony No. 5, The Musgrave's "Night Music" for Chamber Orchestra, and Mozart's Serenade K. 101. Violinist James Lyon, assistant professor of music, will perform Antonio Vivaldi's "Autumn."

## Columbus'

"Columbus," a children's musical by Theatreworks, USA, will be performed at 3 p.m. Sunday, Sept. 27, in Eisenhower Auditorium at University Park. The show, part of the "Wide-Eyed Wonders" series, reveals much about the life of the well-known figure whose role in history is currently being reconsidered.

Introduced by Columbus' younger brother Bartholomew, the story begins with Columbus as a curious and energetic student of 15 and follows him through the years of adventure and exploration that culminate in his alliance with Queen Isabella of Spain. The explorer's eventual landing in the



New World becomes the play's high point.

For ticket information, contact the Eisenhower Auditorium Ticket Center, at 863-0255.

## Benny Goodman tribute

Jazz virtuosos Eddie Daniels and Gary Burton will perform "Benny Rides Again," a tribute to the Benny Goodman and Lionel Hampton era at 8 p.m. Tuesday, Sept. 29, in Eisenhower Auditorium at University Park.

Mr. Burton, a pioneer of jazz-rock fusion, has consistently been named "Best Vibist" in Down-Beat magazine. Mr. Daniels has won wide praise in both jazz and classical circles for his work on clarinet. The rhythm section will feature pianist Mulgrew Miller, bass player Marc Johnson and drummer Peter Erskine.

For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

## Performance work

Charles Garolan, performance artist and associate professor of art education in the School of Visual Arts, will perform "Butt of the Media in the Face of the Public" at 8 p.m. Tuesday, Sept. 29, in Zoller Gallery in the School of Visual Arts at University Park.

Assisting Dr. Garolan with the performance will be American values students Travis Di Nicola and Jason Garolan.

The insidious, paradoxical phenomena of television will be the topic of this mixed media performance art trilogy. Dr. Garolan creates a parody of television that submits to its omnipotent power as a purveyor of American values on one hand, yet ridicules its insipid cultural content on the other.

The ironic significance of television, the passivity it engenders, the moral dilemma of violence on TV and the false promise of hope and immortality it offers are all themes explored in this work.

## Museum lecture

Craig Zabel, associate professor of art history, will present "Musings on Museum Architecture: Charles Moore and the Palmer Museum of Art" at 8 p.m. Tuesday, Sept. 29, in 112 Walker Building at University Park.

The lecture is part of the series "Scholarly Speculations: Recent Research by the Faculty of the Department of Art History," sponsored by the Department of Art History.

Dr. Zabel will critique the expansion of the Palmer Museum of Art designed by renowned postmodern architect Charles W. Moore in association with Arbones King Vlock. Issues include: the architectural character of the old museum; the problems facing many museums in expanding their buildings; the expansion project within the context of the historical devel-

opment of architecture at Penn State, and the relationship between the new building and contemporary architecture. The museum is scheduled to reopen in June 1993.

## Harpichord recital

June Miller, associate professor of music, will perform a harpichord dedication recital at 8 p.m. Wednesday, Sept. 30, in the School of Music Recital Hall at University Park.

Accompanying her will be Eleanor Armstrong, Barry Kroecker, Darryl Durran, James Lyon, Donald Hopkins and Kim Cook, all faculty members in the School of Music.

The program will include *Fantasia* in C Minor by J.S. Bach, *Tro Sonata* in G by J.J. Quantz, Suite No. 5 in E by G.F. Handel, "Pavane and Galliard" by William Byrd, "De la Mare's Pavane" by H. Howells, *Deux Inventions pour le harpechord*, in E-flat, et cetera by Jacques Libert, and *Quartet in D Minor* by G.P. Telemann.



The Sperrhake harpichord is the gift of Howard and Katherine Palmer.

Dr. Palmer retired in 1991 as the senior associate dean of the Graduate School and professor of energy science. It is to be used by faculty and students in the School of Music for solo performances as well as for continuo playing and for accompanying other instrumental and vocal ensembles.

## The arts on Channel 3

New York City Opera's "Cavalleria Rusticana/Pagliacci" which airs at 8 p.m. Wednesday, Sept. 30, on *Live From Lincoln Center*, is the company's acclaimed new production which premiered in 1991.

This classic double-bill has been staged by director Jonathan Eaton and is set in New York's Little Italy at the turn of the century. The imaginative production features sets by Paul Shortt, costumes by Eduardo V. Sciangco and lighting by Jeff Davis. Steven Sioane conducted the New York City Opera Orchestra.

Mascagni's "Cavalleria" features Sharon Graham as Santuzza and Craig Siriannai as Turiddu; Leoncavallo's "Pagliacci" features Gwynne Geyer as Nedda, Antonio Barasorda as Canio and Sigmund Cowan as Tonio. The production, sung in Italian with English subtitles, will be telecast live from New York City Opera's home, Lincoln Center's New York State Theater.



## Italian National Opera

The celebrated Italian National Opera, on its first tour of the United States, will perform Giuseppe Verdi's "Rigoletto" at 8 p.m. Friday, Oct. 2, in Eisenhower Auditorium at University Park.

Based on a tragedy by Victor See "Arts" on Page 7

# University Park Calendar

**Sept. 24 — Oct. 4**

## SPECIAL EVENTS

**Thursday, Sept. 24**  
 Nourtime concert, Kern Graduate Commons Lobby, Gordon Law and Friends.  
 Bach's Lunch Concert, 12:10-12:30 p.m., Eisenhower Chapel. Low Brass: Alberta Symphony.

Penn State Chapter of Educational Office Personnel, 12:15-12:50 p.m., 305 HUB. Mary Frank, North Central Center for Independent Living, will discuss "Employment for Persons with Disabilities." Distinguished Lecture Series, 6:30 p.m., 101 Althouse Lab. K. Patricia Cross, Univ. of Calif., on "What's In the Black Box?—Or How Do We Know What Students are Learning?"

Shaver's Creek, 7:30 p.m., Halloween Trail Meeting for Volunteers, Call 863-2000.  
 School of Music, 8 p.m., Recital Hall. Michael Davis, trombone.

**Friday, Sept. 25**  
 C. Albert Shoemaker Lecture, 2:30 p.m., Nittany Lion Inn. Vincent Sarnic on "Competitiveness: Is It Compatible with Integrity?"

Talk, 3 p.m., 502 Keller. Betsy Brand, assistant secretary for vocational and adult education, U.S. Department of Education.

■ Geo. Coffee Hour, 4 p.m., 319 Walker. Baruch Halpern on "Individuation, Utilization and 8th Century BC Judea." Refreshments, 3:30 p.m.

Center for the Performing Arts, 8 p.m., Schwab Aud. "Discovering the New World: A Celebration of 500 Years of Music."

**Saturday, Sept. 26**  
 Hort Show, Ag Arena, 9 a.m.-5 p.m., through Sunday, Sept. 27.  
 Shaver's Creek, 8-7:30 a.m., Beavers By The Bridge, Call 863-2000.

**Sunday, Sept. 27**  
 Shaver's Creek, 2-4 p.m., Autumn Wildflower Walk, Call 863-2000.

Center for the Performing Arts, 3 p.m., Eisenhower Aud. "Columbus."

**Monday, Sept. 28**  
 Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Mary Preuss, McKeesport Campus, on "American Indian Mythology." Refreshments provided.

**Tuesday, Sept. 29**  
 Professional Women at Penn State, Brown-Bag Lunch Mtg., 11:45 a.m., Memorial Lounge, Eisenhower Aud. Donald Reed and John Fritz on "Personal Safety and Self-Defense for Women."

School of Visual Arts, 8 p.m., Zoller Gallery. Charles Garolan on "Butt of the Media in the Face of the Public."

Art History Lecture Series, 8 p.m., 112 Walker.

Craig Zabel on "Musings on Museum Architecture: Charles Moore and The Palmer Museum of Art."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Eddie Daniels and Gary Burton pay tribute to Benny Goodman.

**Wednesday, Sept. 30**  
 School of Music, 8 p.m., Recital Hall. June Miller and friends, "Musical Discoveries Recital."  
 Sixth Feminist Scholars/Contemporary Scholarship on Lesbian and Gay Lives Speaker Series, 8 p.m., HUB Assembly Room. Barbara Macdonald, writer, activist, on "Women Divided: The Politics of Ageism."

**Thursday, Oct. 1**  
 "National Quality Month," The Quality Forum VII, "Conference on Quality '92: Leadership, Innovation and Discovery," 10 a.m. to 1 p.m., 402 Keller Conf. Center. Also panel discussion, 2-4 p.m., 402 Keller Conf. Center.

Guest lecture in French 350, 11:15 a.m.-12:30 p.m., 234 Arts. Francois Suard, Universite of Paris, X, on "La description dans le Gerard de geste." For further information call Jeanne Brau, 865-6962.

Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Male Ensemble.

■ Inaugural meeting of the local chapter of the Fulbright Assoc., 5-6:30 p.m., Int'l. Lounge, 222 Boucke. Discussion, refreshments, and an informal lecture. Fulbright Scholar, Liliana Milcu, writer and radio producer with Romanian National Radio, Bucharest, Romania, on "Change and Continuity in Romania."

**Friday, Oct. 2**  
 Geog. Coffee Hour, 4 p.m., 319 Walker. Jacqueline Melander, pres., Centre Centre Historical Society, on "Homesite and Streetscape." Refreshments, 3:30 p.m.

■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Ripiolo, Italian National Opera.

**Saturday, Oct. 3**  
 Parent/Family Weekend, through Oct. 4.  
 Workshop, "Promotion and Retention," 9 a.m.-noon, 114 Kern. Blannie Bowen, speaker.

Reservations, call Leah Witzig at 863-1663 by Sept. 29.

Synergy, 8 p.m., Schwab.

## CONFERENCES

**Sept. 25-26.** PA Ceramics; 60 attendees; Days Inn; Guy Rindone, chair; Barb Impellitteri, coordinator.

**Sept. 27-Oct. 9.** Human Resources Management Program; 35 attendees; Nittany Lion Inn; A. Vicere, chair; J. Mencher, coordinator.

**Sept. 29.** State Tax Seminar; 45 attendees; Local Hotels/Motels; S. Hendrick, chair; J. Mison, coordinator.

**Sept. 29.** PA Bar—A Practical Approach to Residential Real Estate; 5 attendees; Local

Hotels/Motels; S. Hendrick, chair; J. Mison, coordinator.

**Sept. 29-30.** Manufacturing Science Short Course; 20 attendees; Nittany Lion Inn; D. Farson, chair; R. Madean, coordinator.

**Sept. 30-Oct. 2.** 38th Graduate Accounting Conference; 175 attendees; Nittany Lion Inn/Days Inn; R. Koehler, chair; C. Herd, coordinator.

**Oct. 1-2.** 3rd Annual Sigma Theta Tau Research Day; 100 attendees; Nittany Lion Inn; B. Dobemick, chair; K. Karchner, coordinator.

**Oct. 1-3.** Annual Meeting of Society for Natural Philosophy; 40 attendees; Friendship Inn/Best Western/Autoport/Days Inn; C. Calderer, chair; E. Loop, coordinator.

**Oct. 2.** Change: The Key to Personal Innovation; 50 attendees; Nittany Lion Inn; C. Davison, chair; B. Impellitteri, coordinator.

**Oct. 2-4.** Hegal Society of America; 100 attendees; Nittany Lion Inn; J. Flay, chair; W. Slemers, coordinator.

**Oct. 3-4.** Watchmakers Association of PA; 40 attendees; Hampton Inn/Nittany Lion Inn; D. Long, chair; J. Mison, coordinator.

## SEMINARS

**Thursday, Sept. 24**  
 Ceramic Science, 11 a.m., 301 Steidle. Pamela Vandiver, Smithsonian Institution, on "Ancient Ceramic Technology."

Computer Science, 4 p.m., 325 Whitmore. Weller Miller on "A Computer Tool Kit for Molecular Biology."

Gerontology Center Colloquium, 4-5 p.m., 106 Mitchell. "Presentation of Projects Funded by the Center on Aging and Health in Rural America." Dennis Shea on "The Provisions of Health Services in PA Long-Term Care Facilities." Colln Kern on "Academic Medical Center Based Intervention for Rural Diabetics," and Kevin Leicht on "The Effects of Health Care Services for the Elderly on Business Failures, Business Formations, and Occupational Structures in Rural Counties in the U.S."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Ed Pines, Dain Ellis. Refreshments, 4:15 p.m.

**Friday, Sept. 25**  
 Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. John Simon, UC San Diego, on "Ultrafast Studies of Reaction Dynamics in Solution."

■ Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Zhengda Dou on Fertilizer Use in China.

**Monday, Sept. 28**  
 Leonard Center for Innovation and Enhancement of Eng. Education, Innovative Minds, 1 p.m., HUB Fishbowl. Dale M. Gorczynski, Houston City Councilman, on

"Negotiating Innovatively."  
**Wednesday, Sept. 30**  
 School of Hotel, Restaurant and Recreation Management, 3:30 p.m., 317 Henderson Bldg. East. Michael A. Smith, Richmond College, Center for International Management, London, England, on "European Trends in Management, with Special Reference to the Hospitality Industry."

Eng. Science & Mechanics EMCh 514, 3:35 p.m., 314 Hammond. Joseph P. Cusumano on "Dynamics and Art: A Highly Opinionated Survey."

**Thursday, Oct. 1**  
 Ceramic Science, 11 a.m., 301 Steidle. Peter K. Davies, Univ. of Pa., on "New Intergrowth Structures in a PbO<sub>2</sub>-related Dielectric Oxides."  
 Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Michael Smyer, Ethical Issues, "Decision Making Capacity in the Elderly." Industrial and Management Systems Eng. 4:30 p.m., 314 Hammond. Larry Jacobs, Advanced Cast Products. Refreshments, 4:15 p.m.

**Friday, Oct. 2**  
 Leonard Center for Innovation and Enhancement of Eng. Education, Innovative Minds, 9 a.m.-4 p.m., Keller. Jacquelyn Wonder, Jack Klason will give a workshop on "Change: The Key to Personal Innovation."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Gerald G. Sims, USDA/ARS, Univ. of Ill., on "Bioavailability of Sorbed Xenobiotics."

## EXHIBITS

**Chambers Gallery**  
 "Photography Exchange," works by undergraduate students from Univ. of Florida, through Oct. 9.

**Hetzal Union Building**  
**Formal and Browning Art Galleries:**  
 "Climbing Jacob's Ladder: The Rise of Black Churches in Eastern American Cities, 1740-1877,"—an exhibition that examines the beginnings of African-American churches, through Oct. 25.

**Pattee Library**  
**East Corridor Gallery:**  
 Art works by Ann Vandervelde, through Oct. 31.

"Computer Graphics: A New Direction in Art," by Sylvia Baron, through Oct. 5.

**Rare Books Room:**  
 Pochor: Color illustration by Stencil Zoller Gallery

■ Prints from the permanent collection of the Frans Masereel Center for Printmaking, Kasterlee, Belgium, through Sept. 25.

■ Reflects an international perspective

## Arts

Continued from Page 6

Hugo, "Rigoletto" is the story of a cursed, hunchback jester. The opera was first performed in 1851 and established Verdi as one of opera's most celebrated composers. "Rigoletto" will be sung in Italian with English subtitles.

The opera offers central Pennsylvania audiences the rare opportunity to witness the passion of Italian Opera. The Italian national opera selects performers from opera houses across Italy and has consistently performed for sold-out houses.

For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

## Ann Vandervelde Exhibits at Pattee Library

Art works by Ann Vandervelde are on display in Pattee Library's East Corridor Gallery at University Park through Oct. 31. Ms. Vandervelde will lecture on the exhibit at 7:30 p.m. Tuesday, Oct. 20, in Pattee Library's Tower Room, C401.

The works on display represent a new direction in both media and content for Ms. Vandervelde. "They begin to define a less rigid adherence to what we actually see," she says. "Natural images contin-

ue to play a dominant role but, with the addition of collage elements, reality is more open to the interpretation of the viewer.

Ms. Vandervelde uses a wide variety of Japanese rice papers, her own handmade papers from cotton pulp, akzo (bast fiber or the skin of the banana plant), kozo (a woody plant), and marbled papers. She adds gouache and acrylic to her palette of water-colors and occasionally uses oil pastels as a paint and water resist.

She has exhibited in numerous shows, including the National Watercolor Society and the Pennsylvania Water Color Society. Her works are in private collections, both in the United States and abroad.

APPOINTMENTS

Mary M. Dupuis, professor of education, has been named acting director of academic affairs at the Penn State DuBois Campus for the 1992-93 academic year.

Dr. Dupuis holds a B.A. in English from George Washington University, an M.A. in English from Purdue University, and a Ph.D. in secondary education from Penn State. She has been employed by Penn State since joining the faculty as an instructor in the Department of Secondary Education in 1967.

She subsequently served as an assistant professor, associate professor, professor, coordinator of secondary education, director of teacher education, and associate dean for undergraduate programs in the College of Education. She also has served as administrative fellow in the Office of Finance and Operations.

In addition to her administrative duties, she has been a visiting professor; published and presented many professional articles; chaired numerous committees; and served as a professional educational consultant.

Dr. Dupuis holds membership in six honor societies and more than a dozen professional organizations. She received special honors in English from George Washington University, a Graduate Teaching Award from Purdue, and an AAUW Graduate Fellowship. For outstanding service to the community she received the Outstanding Woman Award from the State College Branch of AAUW, and the Barash Award for Community Service from The Pennsylvania State University.

Tannaz Rahman has been named director of International Cooperative Programs at the University Office of International Programs.



Tannaz Rahman

Ms. Rahman, who has served as associate director of International Cooperative Programs since 1985, is a Command C.J. Halliner Research Chair at Syracuse University with a B.S. degree in journalism. She received an M.S. degree in magazine journalism from Northwestern University.

She joined the University Staff in 1968 and from 1987 to 1990 was assistant to the deputy vice president for international programs.

Previously, she was international liaison and office manager, Electronic Service Corp., Hackensack, N.J.; free lance translator, U.S. Joint Publications Research Service, Arlington, Va.; and editor of the *Sarcheshneh Reporter* in Kerman, Iran.

She has served as lecturer and teaching assistant in the Center for English as a Second Language at Penn State and as an English teacher at the Azadi Primary School, Tehran, Iran.

At the University, Ms. Rahman has served on a number of committees, including the Interdisciplinary Council, Distance Education Task Force, Commission on Racial/Ethnic Diversity, Middle East Studies

Committee, Women of Color Network, Curriculum Integration Planning Committee, President's International Council (secretary), and the Community International Hospitality Council.

She is a member of the Pennsylvania Council for International Education, International Society for Intercultural Educational Training and Research, NAESA: Association of International Education, Association of International Education Administrators, and American Association of University Women.

Dennis W. Thomson, professor of meteorology, has been appointed head of the Department of Meteorology in the College of Earth and Mineral Sciences. He succeeds William M. Frank, who is returning to full-time teaching and research after six years as department head.

Dr. Thomson, is a noted authority on the remote sensing of atmospheric structure and processes. A faculty member since 1970, he has led the effort to build the department's observational programs and research instrumentation systems. Today, its research facilities for remotely sensing the atmosphere are among the finest at any U.S. university.

Dr. Thomson is a Fellow of the American Meteorological Society, an associate editor of the *AMS Journal of Atmospheric and Oceanic Technology*, and currently a member of the Naval Studies Board, Boundary Layer Research Assessment Group. Recently, he served as chair of the Superintendent's External Review Committee for the Naval Postgraduate School, Department of Meteorology. In 1986, he held the Naval Air Systems Command C.J. Halliner Research Chair professorship in Meteorology at the Naval Postgraduate School, Monterey, California.

From 1989 to 1991, he served as a Special Scientific Officer to the Office of the Chief of Naval Research, where he worked on the development of new initiatives in marine meteorology research.

Dr. Thomson received his B.S. in physics and M.S. and Ph.D. in meteorology, all from the University of Wisconsin. He was a National Science Foundation Postdoctoral Research Fellow at the University of Wisconsin and received a DAAD fellowship at the Meteorological Institute of the University of Hamburg, Germany. He also has held visiting appointments at the Risø National Laboratory, Denmark, and at the National Center for Atmospheric Research in Boulder, CO.

William Williams, visiting professor of science, technology, and society, has been appointed the William L. Weiss Fellow in the College of Engineering.

As Weiss Fellow, Dr. Williams will organize and offer special lectures in communications and give a short series of lectures on nuclear warfare in the Peace Studies Initiative as well as coordinate an evaluation of Penn State's Science, Technology, and Society Program

based in the College of Engineering.

The lecture series on communications features engineers, philosophers and historians including John Truxal, distinguished teaching professor, SUNY Stony Brook; Loren Graham, STS professor, Massachusetts Institute of Technology, and Wolfgang Schirrmacher, a philosopher at the University of Hamburg and the Polytechnic University and the New School, both in New York City.

The dates and venue of the lectures will be announced at a later date. The speakers also will lecture in a course "Communications and Culture: Theory, Practice, Challenges" as part of an STS class.

In addition to a five-lecture series on nuclear weapons and warfare for the STS course, Introduction to Peace and Conflict Studies, Dr. Williams and his wife, Joyce Williams, a painter and art historian, also are offering an STS course on Bridging Art, Science and technology.

Dr. Williams, a nuclear physicist and electronics engineer, is the retired director of Combined Studies in Science at the University of Leeds, U.K. A pioneer in STS studies in universities and secondary education, he was the first coordinator of the Science in a Social Context Project (SISCON), the first inter-university Project, Technology and Society venture in the United Kingdom.

A native of England, Dr. Williams has wide ranging experience in STS programs in Holland, Belgium, Canada, and Japan. In the UK, he served on the Joint Matriculation Board, the major school examination body in the UK, served as the JMB honorary treasurer for twelve years, and chaired several JMB committees. Most recently he chaired JMB committees devising syllabuses and examinations to introduce design and technology into the high school curriculum.

Dr. Williams came to Penn State in 1984 and, since then, has been actively involved in National Science Foundation-sponsored STS programs and in the National Association of STS. He is editor-in-chief for SISCON teaching materials and co-editor of the *Bulletin of STS*, published at Penn State.

A fellow of the Institute of Physics, the Institute of Electrical Engineers, and the Royal Society of Arts, he received his bachelor's in physics from the University of Liverpool and a Ph.D. in nuclear physics from University College London, University of London.

The Weiss Fellowship was endowed by William E. Weiss, IE '51, and Josephine Berry Weiss, LA '50.



William Williams



Dennis W. Thomson

BOOKSHELF

Luis F. Gonzalez-Cruz, professor of Spanish at the Penn State New Kensington Campus, along with Francesca Colechia, edited and translated the book *Cuban Theater in the United States: A Critical Anthology*, published by Bilingual Review/Press of Tempe, Arizona.

The book, which includes nine one-act plays, was written by different generations of Cuban exiles and reflects differing degrees of adherence to traditional Cuban life, acceptance of American values, customs, mores and biculturalism.

Although rooted in the Cuban

experience, many of the plays transcend it to explore the human condition. Each play is preceded by an introduction to the playwright and the work.

Dr. Gonzalez-Cruz is the author of seven previous books of literary criticisms and poetry collections.

Stephen J. Cimbala, professor of political science at the Penn State Delaware County Campus is author of *Force and Diplomacy in the Future*, published by Praeger Publishers.

The book is an initial effort to assess the post-Cold War international

environment in terms of the relationship between force and policy and its implications.

Assuming that informed speculation about the post-Cold War world requires a sense of connection to the historical past, Dr. Cimbala sees that issues with which Europe was forced to deal prior to World War II will reappear in the aftermath of a socially reconstructed Soviet Union, a defunct Warsaw Pact, and a newly reunited Germany.

Nationalism and economic competition, he says, will contend for the attention of policy makers along with

traditional security issues for the remainder of the 1990s and thereafter.

Dr. Cimbala has written articles on arms control, nuclear strategy and deterrence and other areas dealing with the relationship between force and policy, and has published numerous books, including *The Soviet Challenge in the 1990s*, *Conflict Termination in Europe: Games Against War*, and *Strategy After Deterrence*.

## NEWS IN BRIEF

## Visiting scientist

Liliana Gianfreda, professor of soil biochemistry at the Università degli studi di Napoli Federico II, Naples, Italy, has joined the Center for Bioremediation and Detoxification as a visiting scientist. Dr. Gianfreda will be working in the Laboratory of Soil Biochemistry on research on immobilization and use of enzymes in the environment.

## Teleconference on quality

In observance of the designation by the U.S. Congress of October as National Quality Month, The Quality Forum VIII, a teleconference on "Quality '92: Leadership, Innovation and Discovery," will be held from 10 a.m. to 1 p.m. Thursday, Oct. 1, in the Keller Conference Center at University Park.

In conjunction with the teleconference, a panel discussion on Penn State's quality improvement efforts will be held from 2 to 4 p.m. in the conference center. Panel members include Louise Sandmeyer, director, Center for Continuous Quality

Improvement (CQI); Susan Winck, team sponsor for the CQI Team on "Intake and Reception" in the College of Business Administration Student Advising Center; Judith Hewes, team leader for the CQI Team on "Bibliographic Searching" in University Libraries; and Stephen Kreiser, team facilitator for the CQI Team on "Chemical Management," a University cross-functional team. Laura Raiman, assistant professor in the College of Engineering, will be moderator.

The Quality Forum VIII and panel discussion are open to the University community. For more information, please contact the Continuing Education Office (814) 865-3443.

## Educational Office Personnel

Mary Frank, of the North Central Center for Independent Living, will discuss employment for persons with disabilities at a meeting of the Penn State Chapter of Educational Office Personnel at 12:15 p.m. today in 305 Hetzel Union Building at University Park.

\$500.

The TIAA LTD benefit is offset by disability benefits from other sources including SERS, Social Security, Workers' Compensation and the total and permanent disability benefit under the current level premium group health life insurance plan. The minimum monthly benefit under LTD is \$100. The cost to faculty and staff members for the LTD plan is \$21 per \$100 of salary. Example:

Salary	Payroll Deduction
\$2,000	\$4.20
3,000	6.30
4,000	8.40
5,000	10.50

Further details about the LTD plan, including enrollment, will be included in the material being sent to University faculty and staff in early October.

## Period for Benefits Changes

All faculty and staff members are reminded that the period October through November is the time set aside each year to change and/or review choices in the Voluntary Accidental Death and Dismemberment (VADD) and Flexible Benefits programs. VADD coverage may be added or discontinued; amounts of coverage may be increased or decreased, and dependent coverage may be added or discontinued during this open enrollment period. It also will be the period for those in positions not covered by bargaining agreements who wish to make the changes in life insurance, medical coverage and long-term disability.

Additionally, all faculty and staff members who wish to participate in Option I of Flexible Benefits, the premium conversion option where federal income tax and social security contributions (currently 7.65% of salary) are avoided, may make that election through Nov. 30. Individuals already participating in Option I who wish to continue to do so need not renew this election. However, those who in 1992 have been in Options II and/or III, the Healthcare and Dependent Care Reimbursement Accounts, must renew their elections for 1993.

School of Nursing marks 25th year  
Events planned for celebration

The School of Nursing is marking its 25th anniversary during the 1992-93 academic year with a series of events throughout the Commonwealth. The activities begin this next month and will culminate with a celebration at University Park next April.

The School of Nursing, part of the College of Health and Human Development, actually got its start in 1972, when opportunities for student clinical experiences became available in the State College area and at The Milton S. Hershey Medical Center. Today the nursing school has more than 4,000 alumni, including 250 master's degree graduates.

Since 1973 Penn State also has offered an extended-degree program, which makes the nursing degree available at several locations throughout the Commonwealth. The program enables registered nurses (who previously attended a

diploma school or associate degree program) to earn a bachelor's degree without leaving their job or family responsibilities.

The School of Nursing also offers an associate degree, as well as a number of continuing education programs for registered nurses.

The schedule of anniversary events is:

- Oct. 2, Sigma Theta Tau Research Day, University Park
- Oct. 23, Health and Human Development Day, University Park
- Nov. 7, Penn State Monroeville Center reunion and program, Monroeville
- Nov. 22, Penn State Ogontz Campus reunion and program, Abington
- March 27, 1993, Penn State Harrisburg and The Milton S. Hershey Medical Center events and tour
- April 17, 1993, Celebration, University Park

Most information about the events is available from the School of Nursing at University Park, (814) 863-0245.

## Benefits

Continued from Page 1

plan and the new age graded plan and have only the \$5,000 of insurance provided by the University.

More details about the group life insurance program as well as the other changes will be mailed to the homes of faculty and staff members in early October.

## Additional Health Plan

Currently being planned for implementation effective Jan. 1, 1993, faculty and staff not governed by bargaining agreements who are at University Park will be able to choose another kind of medical plan. In addition to the traditional hospital/surgical/major medical program, known as Plan A, and Healthpass, a health maintenance organization (HMO) will be available. This coverage will be offered through HealthAmerica HMO which currently is available to employees at a number of other Penn State locations. Information about the HMO also will be mailed to faculty and staff members.

## Long-Term Disability Plan

A separate long-term disability (LTD) plan currently is available on a voluntary basis to all regular, full-time faculty and staff members who belong to the TIAA retirement plan. While there is a disability feature built into the State Employees' Retirement System (SERS), an individual must have five years of service in that retirement plan in order to be eligible for the disability benefit.

Beginning Jan. 1, members of SERS who are not governed by bargaining agreements will be eligible to join the TIAA LTD plan. This insurance will meet the needs of individuals in SERS during the first five years of employment and may be continued after that as a supplement to the SERS disability feature. In most cases the SERS disability benefit is approximately one-third of the member's final average salary. The TIAA LTD benefit is 60 percent of salary up to a maximum monthly benefit of

## Researchers receive \$1.2 million grant

Three researchers in the College of Agricultural Sciences have been awarded a \$1.2 million grant for research and education in root metabolism.

Funds for the project are provided through the Collaborative Research Plant Biology Program sponsored by the Department of Energy, the National Science Foundation and the U.S. Department of Agriculture. Supplemental funding is being provided by the office of the Senior Vice President for Research and Dean of

the Graduate School, the Biotechnology Institute and the College of Agricultural Sciences.

Hector Flores, project director and associate professor of plant pathology; Jonathan Lynch, assistant professor of plant nutrition, and Karen Miller, assistant professor of food microbiology, received the five-year grant for "Radical Biology: An Interdisciplinary Research Training Program in Advanced Root Biology."



Penn State, in cooperation with Columbia Gas of Pennsylvania, has placed in service a bus that will operate on compressed natural gas (CNG). This bus, which will be used by the Admissions Office to conduct campus tours for prospective students and their parents, was purchased with a \$65,000 grant from Columbia Gas of Pennsylvania. The bus also will be used for special occasions for transportation of visiting guests.

Photo: Greg Grieco

# Help us find the best.

One of the primary purposes of Penn State's Office of Undergraduate Admissions is to recruit the finest students in the nation. We are especially interested in serving the families of the University's faculty and staff. However, it is often difficult to identify these students without your help. For this reason, I invite you to send me the names of family members who are high school juniors or seniors or who currently attend another college or university, but are thinking about transferring to Penn State. Please complete the student information sheet below and return it to me at the following address as soon as possible. Thank you for your assistance. I look forward to your response.

Anna M. Griswold, acting director of Admissions  
201 Shields Building

-----  
**PLEASE PRINT OR TYPE**

Name of student: \_\_\_\_\_  
Social Security number: \_\_\_\_\_ Home phone number: \_\_\_\_\_  
Street address: \_\_\_\_\_  
City, State, Zip code: \_\_\_\_\_  
Name of high school or college now attending: \_\_\_\_\_  
Year or expected year of high school graduation: \_\_\_\_\_  
Preferred date of admission to Penn State: \_\_\_\_\_ Summer \_\_\_\_\_ Fall \_\_\_\_\_ Spring 19 \_\_\_\_\_  
Expected field of study: \_\_\_\_\_  
Campus preference: \_\_\_\_\_  
Name of faculty/staff member: \_\_\_\_\_  
Penn State department or office: \_\_\_\_\_  
Office telephone number: \_\_\_\_\_  
Please send the following information: \_\_\_\_\_

**PRIVATE GIVING**

## Hershey faculty pledge \$958,000 to campaign to build Biomedical Research Building

Nine of 10 faculty members at the Milton S. Hershey Medical Center have made gifts or pledges totaling nearly \$958,000 to the Campaign for Hershey. This is believed to be the highest participation rate ever achieved at a college of medicine in the United States.

The campaign, launched in March 1991 to help build and equip the new Biomedical Research Building and enhance other academic and clinical programs at the Medical Center, passed the \$10 million goal last March. It is scheduled to end in October.

"This has been magnificent for the University and for the Medical Center," said G. David Gearhart, senior vice president for Development and University Relations. "The Hershey faculty, who realized that this campaign would benefit the Medical Center and the patients who look to it for help, responded most generously."

The solicitation of the faculty, the first such effort in the Medical Center's 25-year history, was conducted by a volunteer faculty committee.

Chairman John A. Waldhausen, professor and chairman of the Department of Surgery and holder of the John W. Oswald Chair in surgery, was joined by

Herbert Y. Reynolds, professor and chairman of the Department of Medicine, Alphonse E. LeureduPre, associate dean for academic achievement and director of special programs, and Allan C. Anderson, vice president and chief operating officer of the Medical Center and director of University Hospital. Staff assistance was provided by Lois Jordan, associate director of development, and James Brucker, director of development.

The campaign was launched with a personal pledge of \$50,000 by C. McCollister Evaris, senior vice president for health affairs and dean of the College of Medicine, and his wife, Nancy. The four committee members also made substantial financial commitments. Assisted by the Medical Center's development staff, the committee began a months-long series of meetings with department heads and other faculty. During these meetings, the committee members explained the need for the campaign in great detail and—using a giving guide based on medical specialties developed specifically for the campaign—each faculty member was asked to make a gift in line with his or her ability to contribute.

"We also asked each department and division to develop its own pro-

ject and goal for giving," said Dr. Waldhausen. "It didn't necessarily have to be associated with the Biomedical Research Building, however. We just wanted people to feel that their gift would enhance their academic life at the Medical Center, and that it would strengthen an institution that has grown to national prominence from its beginnings in the middle of a cornfield."

Six of eighteen departments responded with 100 percent participation, with some gifts and pledges still expected before the campaign ends. Senior administrative staff also were solicited, with similar generous results. All of this is in addition to the many fund-raising projects undertaken by Medical Center employees to benefit programs there. For instance, employees raised \$80,000 for the 1992 Children's Miracle Network Telethon.

The Biomedical Research Building, now nearly completed, is seven stories tall and will contain 256,000 square feet. Total cost for building and equipment will be approximately \$47 million. Roughly 80 percent of this cost is underwritten by Penn State and by a bond issue. No state funds are being used to build or equip the facility.

## Endowment pool grows nearly three-fold

The total market value of Penn State's endowment pool investments has nearly tripled over the past five years, the Board of Trustees recently learned.

According to a report by Associate Treasurer Ray Nargi, the endowment pool increased from \$81.3 million in 1987 to \$223.9 million as of June 30, 1992.

Part of the investment returns from the endowment is used to support University programs. During the past five years, Mr. Nargi noted, the endowment has generated more than \$42 million for these programs. The remaining portion of the returns is reinvested to protect the endowment against inflation.

"We are pleased with this growth, which primarily reflects new endowments created by private gifts and reinvestment of a part of the earnings," Mr. Nargi said. "We are especially pleased with our return of 12.6 percent in 1991-92 — highest in the last five years — which clearly exceeded our minimum long-term goal of 10 percent per annum. Overall performance during the five-year period continues to exceed the rate of inflation by a substantial margin, thus ensuring that Penn State's endowments will retain their purchasing power and be perpetual."



# Focus on Research

Intercom  
September 24, 1992

## Finding fault with earthquakes

A Penn State researcher is analyzing results of the recent Bay Area Seismic Imaging Experiment designed to test his theories about the San Andreas and Hayward-Calaveras fault systems.

"Hopefully, BASIX will determine whether plate motion on the San Andreas and Hayward-Calaveras fault systems is interconnected deep below Oakland and Berkeley," said Kevin Furlong, professor of geosciences.

The San Andreas fault is the boundary where the Pacific and the North American tectonic plates meet, with the Pacific Plate moving northward and the North American plate moving southward. However, the plates in northern California do not slide along a flat, vertical surface, but on a geometric, stair-step interface.

"The San Andreas in Northern California is not a typical strike slip fault," said Dr. Furlong. "The southern part of the fault behaves classically, and the interface between the plates is a deep vertical slit.

"However, in the north, my research indicates that the surface portion of the fault is on the San Andreas and the deeper, mantle portion is offset to the east and connected by a horizontal slip surface 20 kilometers below ground."

The deeper, eastern vertical portion is underneath the Hayward-Calaveras fault system, which runs through Oakland and Berkeley. Dr. Furlong noted that the Hayward-Calaveras fault system may not yet fully connect with the mantle below.

"One of the primary targets of the experiment is the area where we think the horizontal structure connecting the two-fault systems occurs," Dr. Furlong said.

The presence of a link between the two fault systems suggests that an earthquake on one fault will have some effect on the other fault. History suggests that earthquakes in the San Francisco area are paired, with an event on one fault followed closely by an earthquake on the other.

"Whether an earthquake on the San Andreas relieves stress on the Hayward-Calaveras or creates more stress is currently unknown," said Dr. Furlong. "To even consider answering this question, we have to determine that there is a connection between the San Andreas fault and the Hayward-Calaveras fault system, and hopefully, that's what this experiment will do."

BASIX used a seismic technique, reflection seismic imaging, to create a picture of the Earth's structure below

the surface. Large air guns suspended off the side of the Survey's vessel, S.P. Lee, produced acoustic pressure waves that traveled in the Earth's crust. When these waves reached a boundary where crustal properties change, some of the energy continued on and some was reflected back.

This reflected energy can be timed to determine the distance, and back calculations on the signal can locate the boundary.

The energy from the air guns travels in all directions. The downward leg is the one expected to show the horizontal structure, but the other directions can also shed light on the interconnection.

"Ideally, we are also hoping to do some detailed processing of the return signal so that we can locate the place where the vertical and horizontal segments meet," said Dr. Furlong. "By convention, we draw this as a 90-degree angle, but things are rarely that simple in nature."

BASIX was conducted by a consortium including the U.S.G.S., University of California at Berkeley, Lawrence Berkeley Labs, Stanford University, Penn State and Woods Hole Oceanographic Institution.

One reason why the San Andreas-Hayward-Calaveras fault system does not behave as a classic strike slip fault is its history. North of the Pacific and adjacent to the North American Plates is the Juan de Fuca plate and the three plates meet at the Mendocino Triple Junction, near Cape Mendocino.

The Juan de Fuca Plate dips below the North American plate to form a subduction zone.

The Mendocino Triple Junction has been slowly moving northward, causing the western edge of North America to become a strike slip (transform) plate boundary. The mantle below this newly formed fault is initially quite hot. Farther south of the junction, the mantle has cooled.

In the vicinity of San Francisco, the deep parts of the plate boundary are now between 300 and 700 degrees centigrade, but approximately 7 million years ago, temperatures in that region were close to 1,000 degrees centigrade.

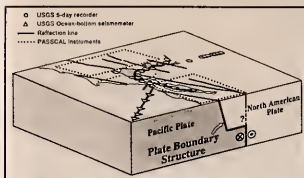
The way tectonic plates move depends on stress, strain and their composition and temperature. The area of the plate boundary that interests Dr. Furlong is below where earthquakes occur. Here, the plate boundary moves at a continuous deformation rate of 3 or 4 centimeters per year without creating earthquakes.

According to Dr. Furlong, when the temperature at the plate boundary is at about 1,000 degrees centigrade, the plates easily deform by a process called dislocation creep.

As the plate boundary cools, high levels of stress coupled with large amounts of strain cause the minerals along the plate boundary to become smaller. When the grain size of the minerals reach a small enough size, diffusion creep takes over. Diffusion creep allows the plate motions to occur at relatively low stress levels even when the temperature drops to 300 to 700 degrees centigrade, the mantle temperature in the San Francisco area.

According to Dr. Furlong, diffusion creep is a localized phenomenon and is occurring in the mantle beneath the Hayward-Calaveras fault.

—Andrea Elyse Messer



A computer generated "cartoon" depicting the interconnected fault systems below the Earth's surface



Kevin Furlong, right, with graduate student David Verdonck

Photo: Greg Grieco

**STAFF VACANCIES**

The following vacancies for positions classified as staff executive or staff nonexecutive have been listed with the University Employment Division for filling. **The brief statements for each vacancy are illustrative. They are not complete position descriptions. APPLY BY CALLING THE EMPLOYMENT DIVISION, 863-6304 (NETWORK LINE 433-0304).** Applications for these staff vacancies will be accepted until 5 p.m. Thursday, October 1. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.** Applications for staff vacancies are considered in accordance with Fair Employment practices (PS-1) and in compliance with the University's Affirmative Action Compliance Program. The University is an equal opportunity employer and does not discriminate against any person because of age as defined by law, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.

■ **02375, Applications Programmer Analyst, Computer and Information Systems, Administrative Systems, University Park Campus** — Responsible to the designated project leader for conducting analyses of data processing and customer concerns, determining detailed systems problems, and preparing computer programs to satisfy desired and results. Assists in providing direction and control within specifications of project schedules. Requires bachelor's degree, or equivalent, in basic computer systems plus a minimum of one year of related experience in computer programming and analysis. This is a fixed-term position funded through June 30, 1993, with probability of re-funding. **SPEC GRADE 19.**

■ **02376, Administrative Aide, Senior Vice President for Research and Dean of the Graduate School, Particulate Materials Center, University Park Campus** — Responsible to the director, Particulate Materials Center, for assistance in the administration of center activity; for accounting procedures related to research funds, development of research budgets, the preparation of research proposals and reports, and for the effective coordination of various office functions. Supervises center support staff. Requires an associate degree in accounting, business or related field, or equivalent, plus a minimum of two years of related experience in office

management. Familiarity with Microsoft and spreadsheet preparation and Microsoft experience required. Excellent editorial and communication skills required. **SPEC GRADE 19.**

■ **02377, Research Coordinator, Senior Vice President for Research and Dean of the Graduate School, Industrial Research Office, University Park Campus** — Responsible to the director, Industrial Research Office, for the management of corporate information processing and report preparation. Requires bachelor's degree, or equivalent, plus a minimum of one year of related experience in computer based industry/University liaison activities. This is a fixed-term position funded through June 30, 1993. **SPEC GRADE 18.**

■ **02378, Special Waste Handling Assistant, University Safety, University Park Campus** — Responsible to the laboratory safety and waste disposal specialist for coordinating and implementing the scheduling, collection, and transportation of chemical and biological materials, and for communicating disposal policies and procedures to the University community. Requires associate degree, or equivalent, with courses in biology, chemistry, microbiology, biochemistry or related field plus a minimum of one year of related experience in the safe handling and disposal of special wastes. Use of computers for record-keeping and data retrieval along with oral/written communications needed. Bachelor's degree preferred. **SPEC GRADE 16.**

**Hershey**  
For the following position vacancies, apply directly to The Milton S. Hershey Medical Center. Attach resume with cover letter indicating the position vacancy code and forward to the Department of Human Resources, Hershey, or call the Hershey bid line at (717) 531-8531 by Oct. 1.

■ **19523, Medical Center Risk Manager, Department of Risk Management** — Responsible for overseeing medical center wide programs to detect, evaluate, and reduce risks to the greatest degree possible by eliminating problems that might result in harm to patients, staff, visitors, or the institution including risk management program administration, claims management and inci-

dent reporting, prevention and education programming, and to a limited extent, insurance and risk financing and legal interface. Requires a bachelor's degree with five or more years diversified experience in risk management. Experience in a large teaching hospital or academic medical center is preferred. Excellent interpersonal and communication skills are required. **STAFF EXEMPT, GRADE 8.**

■ **19524, 9525, 9526 Line Helicopter Pilot, Department of Medical Flight Services** — Responsible for operating a rotorcraft to transport an emergency team to pick up and deliver patients to health care facilities; for the preparation of flight plans; for ensuring the readiness of the aircraft for flights; and for overseeing the loading, weight distribution, and securing of equipment, passengers and passengers. Requires a high school graduate and training equivalent to a two-year program in aircraft operation plus two-to-three years of effective experience. FAA commercial pilots license with a rotorcraft and helicopter instrument rating, and Pilot in Command qualifications in accordance with FAA Part 135, and 2000 hours of rotor time are required. Previous EMS rotorcraft experience is preferred. **STAFF EXEMPT, GRADE 6.**

■ **19527, Chief Helicopter Pilot, Department of Medical Flight Services** — Responsible for the direct supervision of light crew members including training programs and orientation. Requires a Commercial Instrument Certificate with rotorcraft helicopter rating, minimum 3,000 hours of PIC flight time in helicopters and three years of PIC experience in a Part 135 operation. Flight Instructor Certificate and Dauphin AS-355 experience preferred. **STAFF EXEMPT, GRADE 7.**

■ **19513, Data Manager, Department of Biostatistics and Epidemiology** — Responsible for all aspects of data management and research computing necessary for statistical programming in support of biomedical and biostatistical research activities. Requires a bachelor's degree in a technical quantitative field or equivalent, plus at least two years of effective experience with SAS or SQL programming in a clinical data management setting. **STAFF EXEMPT, GRADE 6.** (This is a Fixed Term Position).

**Nominations sought for teaching awards**

Nominations are being sought for the 1993 Atherton and Eisenhower Teaching Awards.

The George W. Atherton Award for Excellence in Teaching is to recognize excellence in teaching performance in the undergraduate program of the University. Up to four awards will be presented at the Awards Convocation in March, 1993. Faculty members at all locations are eligible.

The Milton S. Eisenhower Award for Distinguished Teaching is given in recognition of outstanding teaching at the University. Up to two awards will be presented at the Awards Convocation.

To be eligible for nomination for the Atherton Award, a faculty member must have been a full-time member of the University faculty for a minimum of three years; have under-

graduate teaching as a major portion of her or his assigned duties; have rank as assistant professor, associate professor or professor.

To be eligible for nomination for the Eisenhower Award, a faculty member must be a tenured member of the faculty; have been employed as a full-time University faculty member for a minimum of five years; have undergraduate teaching as a major portion of her or his assignment. Members of a research staff, administrators (including department heads), and those who are predominantly teachers of graduate students are not eligible for the award.

Deadline for nominations for the awards is Oct. 16. For further information and nomination forms, contact the Office of Undergraduate Education, 207 Old Main, University Park.

**Proposals for technology initiatives due Oct. 12**

Proposals for the 1992-93 Faculty Technology Initiative program of CBEI Teaching and Learning Technologies of the Center for Academic Computing — are due Oct. 12.

Faculty interested in integrating the use of information technologies into their courses, classes or curricula are invited to submit their ideas to this program. As in previous years, faculty members will be able to obtain the assistance of instructional designers, instructional programmers, release time funds and loans of Apple and IBM computers for improving their instructional programs. Among the computers available for loan are two IBM 57 SLC multimedia systems and Apple computers appropriate to the selected projects.

Proposal packets contain the details necessary for proposal submission and can be obtained by calling (814) 863-1654 or writing to Marilynne Stout, CBEI 226 Computer Building, University Park, PA 16802. Packets also can be requested by electronic mail to CBEI@PSUMV and including your name and full mailing address. Faculty members are strongly encouraged to consult with an instructional designer during the preparation of their proposal. An appointment can be made with a designer by calling Jane Houlihan at 863-1654.

The Faculty Technology Initiative is the process for the review and selection of new consulting, integration, and development projects that increase instructional effectiveness and/or efficiency through the use of interactive teaching and learning technologies.

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**PENN STATE**

**INTERCOM**

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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# INTERCOM

October 1, 1992

Volume 22, Number 7

## Senators concentrate on future status of University

Faculty members serving on the University Future Committee presented an update of the group's work and the process being used to gather input during the first Faculty Senate session of the semester on Sept. 22.

Questions about the 12-member committee appointed in March by President Thomas centered on the criteria being used to examine programs, and the consultative role the Faculty Senate will play in the final process.

The Future Committee, comprised of faculty, deans, staff and students, is charged with reviewing the fiscal make-up of the University and reviewing academic strengths and priorities. The Committee is currently holding a series of three dozen open meetings throughout the University system in an effort to



gather suggestions on ways to enhance the educational experience at Penn State. Recommendations are being developed to enhance the quality of Penn State programs through the internal reallocation of funds during the current period of fiscal constraint.

It is expected that in spring 1993, the Committee will make its recommendations to the president.

No decisions have yet been made and all suggestions are still under consideration, according to E. Emory Encore Jr., professor of industrial engineering and a member of the Future Committee. Dr. Encore told the Senate that the Committee has received many suggestions through the open meetings and written comments.

The Committee will review these ideas, and he said it is particularly interested in suggestions for enhancements and reductions that

See "Senate" on Page 3



**President Bush** walked through the crowd at University Park last week giving the thumbs up and shaking the hands of onlookers. He's shown here on his way from the podium, flanked by Republican U.S. Congressmen William F. Clinger, 23rd District, Bud Shuster, 9th District, and Secret Service agents.

Photo: Greg Grieco

## Questions about SPEC answered

The new SPEC program becomes effective for current staff on Oct. 1. During the months of June and July, the Office of Human Resources conducted general orientation sessions for the SPEC program. A number of questions regarding the new job evaluation and compensation program were raised by University staff members. The following are the most frequently asked questions about the program, and their corresponding answers:

**Q. Were individual PIQ (Position Information Questionnaire) responses examined?**

Yes. The process included:

- analyzing and scoring of all the PIQ responses
- committees, including Human Resources staff members, reviewing and evaluating random PIQ responses,
- and using statistical models to calculate points for each job, so that all jobs could be valued both in relation to each other and to what the external marketplace pays for similar jobs.

In addition, the position information questionnaires were to be read by supervisors, Human Resources representatives or directors of Business Service for consistency and accuracy. These individuals could make comments/notations on a particular sec-

tion but could not change any staff members' responses. The methodology utilized was developed by the consultants, Mercer, Inc., to be used throughout the job evaluation process.

**Q. When will the job descriptions be completed?**

The Office of Human Resources expects all descriptions to be completed by the spring of 1993. However, any jobs designated as benchmark jobs currently are available through your Human Resources representative or Business Office.

**Q. Why do I need a new job description?**

The SPEC program did not change job duties. However, it did consolidate similar jobs and utilize a more standardized job description format. The former method of extensive detail in job descriptions was inefficient and did not enhance the job evaluation process significantly. The detailed duties of jobs will be maintained, however, by individual work units.

**Q. What is the "official" title?**

The "official" title is a standardized job title that allows for consistency in monitoring titles across the University system.

**Q. What is a "working job title" and how do I know what mine is?**

A "working job title" may be used by a department to indicate a particular job for a closer fit within the department's organization. For example, a department may have several jobs titled assistant director which would serve as the "official" job title. However, the department may elect to further clarify an assistant director's emphasis by adding a suffix to the title. Your Human Resources representative or director of Business Service is responsible for maintaining your "working job title" and will provide you with a secondary title if appropriate.

**Q. If a staff member's present salary is below the minimum of his/her grade range, when will he/she see an adjustment?**

All the salaries of staff members who fall below the minimum of the salary range for their grade will be adjusted to at least the minimum of the salary range effective October 1992, providing they are an active staff member and their performance is satisfactory.

**Q. What will happen to the clerical step-pay program?**

The clerical step-pay program will not

See "SPEC" on Page 4

Commission for Women

# President of International Federation of University Women to give keynote address



Mary H. Purcell

Mary H. Purcell, president of the International Federation of University Women, will be the keynote speaker at the fall conference of the Penn State Commission for Women on Thursday, Oct. 8, at the Penn State Wilkes-Barre Campus.

Ms. Purcell former national president of American Association of University Women (AAUW) and an activist for women's equity in this country and the world, will discuss "Year of the Woman," which is the theme of the conference.

Dantelle Richards, chairperson of the Women's Commission, said that each year the Penn State Commission for Women holds one of its fall meetings at a location other than University Park, and opens the meeting to women from all locations.

In addition to the keynote speech, twelve workshops will be offered on topics ranging from "Student Perspectives on Gender Issues" and "CQJ: 'Student Perspectives on Gender Issues' and "Mentoring." Other topics include "Backlash," "Teaching Climate for Women's Studies on CES

Campuses," "Gay, Lesbian, and Bisexual Issues" and "Writing Winning Proposals."

Ms. Purcell has been active with the United Nations and AAUW. She was the official IFUW representative to the U.N. from 1989 to 1992, and the international organization's representative to the U.N. Decade for Women Conference in Nairobi, and the U.N. Commission on the Status of Women conferences in Vienna in 1980, 1991 and 1992. She is a Distinguished Daughter of Pennsylvania.

Among the workshop presenters are: Mary Anne Gale, site manager for Procter & Gamble's largest plant; Louise Sandmeyer, director of Penn State's Continuity Quality Improvement Center; Judy Stevens, Nancy Stumhofer, Penn State Schuylkill Campus faculty; Judy O'Donnell, Penn State Hazleton Campus faculty, and Linda Frost, Penn State Wilkes-Barre Campus faculty.

Also, Mary Dupuis, DuBois Campus; Corinne Caldwell, Mont Alto CEO; Kathy Martin, College of Medicine; Karen Reichard, Human Resources staff; Bonnie Ortiz, Affirmative Action officer; Sabrina Chapman, Center for Women Students; Stephanie Bressler, Penn State alumna and a faculty member at King's College, and Harriet McGeehan, a Penn State Distinguished Alumna.

Registration forms for the all-day workshop are available at the Commission office in 405 Old Main, on each campus, and in regional Cooperative Extension offices. Conference chairpersons are Phyllis Belk, Wilkes-Barre Campus, and Sally Small, Office of Human Resources.

## Diversity Opportunities Calendar

### Thursday, Oct. 1

Central Pennsylvania Women of Color, 7:30 to 9 p.m., HUB Gallery Lounge. Social program titled, "Sweet Greetings" invites all area women to bring ethnic desserts with copies of recipes to sample and share. For more information, contact Beverly Ladrado at 865-8366.

### Friday, Oct. 2

Native American Indian Student Association, American Indian Leadership Program and College of Education, 9 a.m. to 5 p.m., Kern Graduate Building. First of a two-day symposium titled, "Preservation of Culture through Education," in 112 Kern Graduate Building 9 a.m. to 1 p.m., 101 Kern 1 p.m. to 5 p.m.

Paul Robeson Cultural Center, 4 p.m. Black Arts Festival lecture by Selwyn Cudjoe, of Wellesley College.

### Saturday, Oct. 3

Office of Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "Promotion and Tenure" is the topic of the first in a series of faculty development workshops. Blainnie Bowen, professor of agriculture and extension education, will be the speaker. All junior faculty are welcome to participate.

Penn State, local community, 10:30 a.m. to 6 p.m., Central Parklet, located behind the Fraser Street Post Office. The fourth annual Festival of Cultures will feature ethnic foods, crafts, music and children's activities. All members of the University and local communities are invited. For more information contact Jim Steff at 331-3077.

Native American Indian Student Association, American Indian Leadership Program and College of Education, 8 a.m. to 5 p.m., 112 Kern Graduate Building. The second of a two-day symposium titled, "Preservation of Culture through Education," will feature John Tippeconic, Bureau of Indian Affairs and 1992 College of Education distinguished alumni, as keynote speaker. Panel discussions will follow.

Native American Indian Student Association, 1 p.m. to 4 p.m., Central Parklet, behind the Fraser Street Post Office. The fifth annual "Ch! Challenge" is part of the Festival of Cultures. Winners will be selected from

four categories. For more information call 867-8548.

### Sunday, Oct. 4

Center for Women Students, 7 p.m., Findlay Commons George Clark Lounge. Sexual Assault, Awareness/Prevention Week panel discussion titled, "An Account from a Rape Survivor." Panelists include representatives from University police services, Center for Women Students, a rape victim and a male student.

Office of Health Promotion and the Paul Robeson Cultural Center, 8 p.m., Paul Robeson Cultural Center. Sexual Assault Awareness/Prevention Week activity features free distribution of Angela Davis pamphlet titled, "Violence Against Women and the Ongoing Challenge to Racism."

### Monday, Oct. 5

Center for Women Students, 8 p.m., 101 Kern Graduate Building. Kathleen Barry, Penn State associate professor of human development and author of book *Female Sexual Slavery*, will be keynote speaker for Sexual Assault Awareness/Prevention Week.

### Tuesday, Oct. 6

Center for Women Students, 7:30 HUB Assembly Room. A Sexual Assault Awareness/Prevention Week mock trial titled, "Acquaintance Rape," featuring Judge David E. O'Neil, an assistant district attorney, and an assistant public defender.

Paul Robeson Cultural Center, 8 p.m. Black Arts Festival keynote address by Molefi Asante, of Temple University.

### Wednesday, Oct. 7

Forum on Black Affairs, 7 p.m., Paul Robeson Cultural Center. General monthly meeting.

Center for Women Students, noon to 1 p.m., 120 Bowles Building. Brown Bag Lunch discussion titled, "Incest and its Impact on Women's Lives," presented by Paula Ann Pricken, CAPS Psychologist, and Prity Johnson, Center for Women Students, assistant director.

Center for Women Students, 7:30 p.m., HUB Fishbowl. Panel discussion titled, "Aftermath of Rape: What the Victim Can Expect."

## Symposium on preserving culture to be held Oct. 2 -3

An Educational Symposium, "Preservation of Culture Through Education" will be held Oct. 2 and 3 in Kern Building at University Park.

The symposium is sponsored by the Native American Indian Student Association and the American Indian Leadership Program in conjunction with the School of Education and the EO/PC Diversified Student Programming Fund.

More than 15 national Native American education leaders, professionals and experts will be presenters at the symposium.

Included are John Tippeconic, Penn State Distinguished Alumni and director of Indian Education, U.S. Department of Indian Education; Cornell Pewewardy, Indian Educator of the Year, and Lloyd Elm, former Indian Educator of the Year.

The symposium, to be held from 9 a.m. to 5 p.m. Oct. 2 and 9 a.m. to 1 p.m. Oct. 3, is open to the University community. For further information, contact William M. Goins, (814) 865-1487 or 867-5523.

## Planned for Oct. 4—8: Sexual Assault Awareness/Prevention Week

Panel discussions, a mock trial and speaker and film presentations will highlight Sexual Assault Awareness/Prevention Week at University Park Oct. 4-8.

Sponsored by the Equal Opportunity Planning Committee, and the Center for Women Students, and co-sponsored by Black Studies, the Psychology Department, Administration of Justice and other university units, Sexual Assault Awareness/Prevention Week is in its fifth year.

The keynote speaker will be Kathleen Barry, associate professor of human development and family studies, and author of *Female Sexual Slavery*, Susan B. Anthony: *A Biography of a Singular Feminist*, and the forthcoming *The Prostitution of Sexuality*. Dr. Barry also is director of the Coalition Against Trafficking in Women, a United Nations human rights organization that is developing human rights law against sexual exploitation.

"Sexual Assault Awareness/Prevention Week was developed to increase awareness of the problem of sexual assaults and to identify resources in the University community to assist victims," Sabrina Chapman, Center for Women Students director and affiliate assistant professor of sociology and women studies, said.

"It also was intended to provide education that can reduce the incidence of sexual assault as well as encourage sexual assault victims to seek help."

Scheduled each fall, Sexual Assault Awareness/Prevention Week was organized to get information to as many students as possible as early in an academic year as possible. Targeted primarily to women, men are encouraged to attend the four days of activities. Officials say that the number of men attending programs has increased dramatically since the first year.

For specific Sexual Assault Awareness/Prevention Week activities, see the Diversity Opportunities Calendar.

UNIVERSITY

# Black Arts Festival to highlight month of October

Wynton Marsalis playing Duke Ellington, a film series, lectures and "A Taste of Blackness" food-fair are high-lights of Penn State's 24th annual Black Arts Festival, which continues through Oct. 17 at University Park.

Organized around the theme, "African Culture in the Americas: Discovered and Rediscovered," festival events celebrate the cultural continuity and links among Africans, African-Caribbean and African Americans, or the "Sable Triangle," according to Paul Robeson Cultural Center Director Lawrence W. Young.

The American film "Daughters of the Dust," which focuses on the spiritualism and courage of African-descended people, will be shown Oct. 13.

Lectures include a presentation on

"Caribbean Slave Narratives" by Professor Selwyn Cudjoe of Wellesley College on Oct. 2; a keynote address Oct. 6 on "Afrocentricity" by Professor Molefi Asante of Temple University, and a panel discussion Oct. 8 on "The State of African-American Culture: 1992 and Beyond" with sculptor and lecturer Oliver LaGrone and University faculty members Grace Hampton, Myrna Munchus-Bollock and Julian Thayer.

Three student organizations are inviting the public to "A Taste of Blackness" on Oct. 11 with African, American and Caribbean food, and the NOMMO Performing Arts Company will present an original play Oct. 12, "Rape—What Every Black Woman Wants?"

The Wynton Marsalis concert featuring the music of Duke Ellington on Oct.

16 and a Black Caucus Homecoming program on Oct. 17 conclude the festival, which is coordinated by the Paul Robeson Cultural Center, the Black Caucus, the Department of Black Studies, the African Students Association and the Caribbean Student Association.

During the festival, the art of Beverly McIver, M.F.A. candidate at Penn State who studied with Faith Ring old, will be on exhibit in the Paul Robeson Cultural Center Gallery, and "Climbing Jacob's Ladder: The Rise of The Black Church in Eastern America," will be on display in the Hetzel Union Building.

For a complete festival schedule and other information, call the Paul Robeson Cultural Center at 814-865-1779 or 814-865-3776.

## Professional Women to hear Dr. Thomas

President Thomas will discuss the "State of the University" at a meeting of Professional Women at Penn State at 12:10 p.m. Thursday, Oct. 15, in the Robeson Cultural Center auditorium at University Park.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group welcomes attendance by both male and female persons in all job and student classifications at the University.

### FACULTY / STAFF ALERTS

#### Smoking policy

The following smoking policy has been adopted at the Nittany Lion Inn.

Smoking is not permitted: Park Avenue entrance vestibule, registration area, and elevator lobby; gallery (hallway connecting atrium area to original lobby); dining room; public restrooms; employee areas.

Smoking is permitted: atrium (slate area outside ballroom); original lobby; Whiskers lounge; function rooms and prefunction space—social, by client preference; function rooms and prefunction space—University use, corporate and conference, smoking only permitted by insistence of sponsor.

Guest rooms: prior to the Inn's expansion, there were no smoke-free sleeping accommodations. Currently, both smoking and non-smoking rooms (70 percent of newly constructed rooms are smoke free) are provided. Renovated rooms in the original wing will convert to non-smoking status.

#### Assessment input sought

The Office of Undergraduate Education invites faculty members to become part of a small working group on the assessment of general education, a research project recently funded for three years by the Fund for the Improvement of Postsecondary Education.

The working group will be limited to about 12 to 15 faculty members who represent the general education areas of communications, quantification, natural sciences, arts, humanities, health sciences, social and behavioral sciences and physical education. Project researchers are interested in hearing from a broad range of faculty.

Contact Beth Jones, FIPSE project director, at 865-6346 for information.

#### Courses for Faculty and Staff

The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

**Files Management:** A *Workshop* Designed for staff members who want to improve office file systems and enhance their information management skills. Learn how to systematize storage and retrieval so that your file cabinets work for you. Meets on Friday, Oct. 2, from 8:30 to 11:30 a.m.; cost: \$35.

**Successful Cross Cultural Communication** Offers a structural and supportive way to learn about communicating with persons from outside your culture. Meets on Wednesday, Oct. 14, from 8:30 to 11:45 a.m.; cost: none.

**Women's Health Issues: Optimal Wellness** Designed to address the special health issues of women in areas of nutrition, exercise, appropriate health evaluations, and changes in body systems that occur during the aging process. Meets on Tuesday, Oct. 20, from 8:30 to 11:45 a.m.; cost: \$35.

**Resume Preparation** Learn some tips from someone who reviews resumes daily and knows how you can best present yourself on paper. Meets on Wednesday, Oct. 21, from 1:30 to 4:15 p.m.; cost: none.

**Communication** Having the right people working on the right process does not ensure team success if team members are not com-

municating effectively. Topics include: how to listen, brainstorm, manage conflict, and build consensus. Meets on Thursday, Oct. 22, from 8:30 to 11:45 a.m.; cost: None.

**Employment Interviews** Designed to provide practical training and pointers to individuals who are called upon to interview applicants for employment vacancies. The focus of the training is on employment law, conducting interviews, questioning techniques and reference checking. Meets on Wednesday, Oct. 28, from 9 to 11:45 a.m.; cost: none.

**Financial Planning** Designed to provide employees with information to assist them in financial planning. Topics to be discussed are: different types of investments, estate planning and wills, and Social Security benefits. Meets on Wednesday, Oct. 28, from 1:30 to 3:30 p.m.; cost: none.

**Coaching For Improved Work Performance** Learn and practice skills that will help you work with "problem" employees. Differentiate between job performance and behavior/attitude problems. Identify your alternatives as a supervisor and steps you can take to prevent behavior/attitude problems. Identify your alternatives as a supervisor and steps you can take to prevent an employee from becoming a "problem." Meets on Thursday, Oct. 29, from 9 a.m. to 3 p.m.; cost: \$55.

**Creating Change** Understand change as a core element of COI. Topics include: identifying strategies for reducing resistance, and planning and preparing for cultural change. Meets on Friday, Oct. 30, from 8:30 to 11:45 a.m.; cost: none.

# Senate

## Continued from Page 1

are broad in nature and that have impact on more than a single department or college.

In an attempt to understand how Penn State is using its limited resources, when appropriate, comparisons may be made with other universities. Thus far the Committee has spent much of its time gathering and reviewing data specific to Penn State, according to Committee member Harry Alcock, Evan Pugh Professor of Chemistry.

#### In Other Senate business

■ Senate members were given an update on the travel recommendations that were rejected at the April 14 Senate meeting. The recommendations, which were returned to the Joint Faculty/Administrative Advisory Committee on Travel for further consideration, were instituted over the summer because University contracts with travel agencies were due to expire June 1. Since no official vote of Faculty Senate was needed to implement the plan, Senate Council endorsed the recommendations.

The new plan makes it possible for any travel agency in the state to become an agent of the University, provided it has the facilities that allow rates to be monitored in order to assure the lowest rates are being received.

In addition, the savings received from the practice of volume discounting will be returned on an annual basis to the unit which accrued them. A committee is being established to monitor travel complaints.

### OBITUARIES

Janet R. Forsht, secretary, College of Education, from Jan. 1, 1968, until her retirement June 30, 1981, died Sept. 11. She was 71.

Ethel V. Gorman, hostess, Dean of Women's Office, from Sept. 1, 1951, until her retirement July 1, 1960, died Aug. 15 at the age of 95.

Frank F. Morris, director of general services from Jan. 1, 1941, until his retirement June 1, 1970, died Aug. 26 at the age of 82.

# SPEC

## Continued from Page 1

continue. Beginning Oct. 1, the new pay for performance based program will be implemented throughout the University system for all staff members included in the new program. Employees who had not reached the top step of the clerical salary schedule will receive a proportional step increase for their next step.

This proportional step increase will be calculated based on the time an employee has accumulated as of Oct. 1, toward his or her next step. This calculated percentage will then be applied to the dollar amount difference between an employee's current step and his or her next step. This dollar amount will then be added to the staff member's base salary. A detailed summary will be provided in October to each staff member affected by this program.

### Q. How will future salary increases be determined?

Future salary increases will be directly linked to work performance and available University resources. Human Resources anticipates that the merit pay program will be fully operational by July 1, 1993, barring unforeseen circumstances.

### Q. Will there be a new performance appraisal instrument?

During 1992-93, the University will be developing a new performance appraisal instrument. This new instrument will be used to document a staff member's performance. Staff member participation in the new program, as well as in committee advisement, will be an important part of the development process.

Q. If a staff member has been evaluated by his/her supervisor as being an outstanding performer, but does not fall within the top of the salary range for the SPEC program, will his/her salary be adjusted to reflect outstanding work performance?

If the staff member's outstanding work performance continues over time, his/her salary will be adjusted through the merit pay program.

### Q. How often will the salary ranges be adjusted?

Salary ranges will be reviewed annually. However, the ranges may not be changed each year. The process used to determine if the ranges will be adjusted will include an examination of what the market is paying for similar jobs, as well as changes in the cost of living and the rate of inflation. The financial resources of the University also will have to be taken into consideration in terms of what pay levels can be afforded.

### Q. What measures are being taken by the University to see that a staff member's occupational assessment tax does not increase if his/her new job title changes with the SPEC program?

The Office of Human Resources has met several times with the Centre County taxing authorities to explain and interpret any new job titles. Consequently, these authorities will make an announcement at the October state meeting of Tax Assessors suggesting that any county offices that have questions contact the Office of Human Resources. Finally, anyone who feels his/her assessment changed because of SPEC may file an appeal to the appropriate taxing authority.

### Q. When will the new or revised policies and procedures be effective?

Beginning on Oct. 1, all new and revised policies will go into effect.

### Q. How do the job grades of the SPEC program compare to the old staff and clerical job grading programs?

There is no direct relationship between SPEC grades and the old job evaluation system grades. Since this is a new job evaluation plan used for determining job value, it is impossible to draw any direct correlation between "old" and "new." However, there are patterns which some people believe translate into a formula between the "old" and "new" job evaluation plans.

These patterns are a result of components of the old job evaluation system and carry over into the new statistical model. For example, although a number of staff grade nines carried forward in the new system to grade 26, others evaluated out at grades 24, 25, or 27. It is not unusual for staff mem-

bers to have an opinion about a job with which they interact and to have opportunity to be familiar with and, perhaps, make erroneous comparisons.

### Q. How is job value determined?

Jobs have value relative to each other and their contributions to the mission of a department and the University. In order to calculate job value, ten factors were established. They are: knowledge, experience, dexterity, judgment, direction received, internal contacts, external contacts, breadth of responsibility, organizational impact, and supervision of others. The factors that give value to jobs at Penn State were identified by a University-wide committee of staff members.

These factors, or predictors, were then individually weighted. These enabled the University to develop a statistical process that would consistently and equitably determine "job value" across the University system. This statistical process, validated by the consultant Mercer, Inc., was pilot tested by the University with adjustments made throughout the process.

### Q. What will the Office of Human Resources do regarding job evaluation decisions within the new program for the next year?

Beginning Oct. 1, Human Resources staff will examine job grading decisions for equity and consistency throughout the University system. In addition, beginning on Oct. 1, jobs that have undergone major changes since the Position Information Questionnaires (PIQ) were completed will be reviewed to determine if they are properly graded. Adjustments to job grades for a period of one year will not result in salary increases, unless an adjustment was the result of a substantial change in duties and responsibilities that caused the grade to increase.

Human Resources also will conduct job grade appeals for departments that feel they are not getting a further look at a particular job grade decision.

At the completion of the year-long audit in September 1993, the consultants, Mercer, Inc., will conduct a final audit to ensure that the University consistently has applied the new job evaluation plan. Subsequent to the audit, Human Resources will provide access to all job titles, descriptions and grades in the SPEC program.

Any staff member with questions about SPEC is invited to call the SPEC telephone information line (814) 865-1313 during regular business hours.

# CQI: Helping Penn State enhance its mission

Continuous Quality Improvement. These three words can help Penn State strengthen its three-fold mission of education, research and service, and enhance its reputation as a leader among the nation's colleges and universities.

After a year of study, the University has made substantial progress in establishing a strong Continuous Quality Improvement program. Toward that end, the University Council on Continuous Quality Improvement, chaired by Gregory Geoffrey, dean of the Eberly College of Science, sponsored several retreats and training sessions for administrators and prospective team leaders and facilitators, and recommended the development of a CQI Center.

This spring, the Continuous Quality Improvement Center was established, headed by director Louise Sandmeyer. A number of colleges and units already have started CQI teams and selected processes for study. A series of CQI courses is available this fall semester through the Human Resources Development

Center to interested University administrators, staff and faculty.

"CQI is a journey, not a destination. It is both a philosophy and a set of guiding principles that represent the foundation of an organization that seeks ongoing improvement," John Brighton, executive vice president and provost, said.

"In a quality culture, quantitative methods and analytical evaluation are used to make processes better, eventually affecting services and products. CQI is a never-ending, long-term development that is evolutionary in its implementation, yet revolutionary in vision, scope and impact."

Continuous Quality Improvement is adapted from the principles of industry's Total Quality Management. It provides the tools to help Penn State enhance and improve the effectiveness of existing academic and non-academic programs.

"Penn State's distinction will be enhanced by our commitment to continuous quality improvement, creating an environment in which everyone takes ownership of the improved educational enterprise and where high

value is placed on teamwork, collaboration and communication," Dr. Brighton noted.

"The tools of CQI are not new; many of us practice these methods in the office, the laboratory and the classroom. The range of potential areas for study is endless, from physical plant to public safety, from the writing of research proposals to the teaching of introductory courses."

Three hallmarks distinguish Penn State's CQI efforts—a focus on service, the study of work processes and information-based decision-making. CQI encourages individual involvement in teams to analyze work processes, then suggest, test and implement change.

"The center helps to educate interested University people about how CQI works and how it can apply to their workplace," Ms. Sandmeyer noted.

CQI courses will be jointly offered by the center and the Human Resources Development Center. Topics include an overview of CQI and sessions on problem-solving, facilitation training, team-building and service.

Ms. Sandmeyer also is making pre-

sentations before individual units and assisting in the establishment of teams.

"At least 20 teams have been established and are in different stages of studying processes in their areas," she said. "For example, the College of Engineering and the Eberly College of Science are looking at improving the process of teaching engineering students basic physics. The College of Engineering also is reviewing ways to enhance the development of tools to facilitate the submission of successful research proposals by faculty."

"In another example, Business and Operations had a team studying how to reduce inventory; the Bursar's Office had a team studying ways to shorten the lines at the tellers' windows."

Penn State has joined many other colleges and universities that have implemented continuous quality improvement, such as Oregon State University, University of Wisconsin, University of Michigan, Colorado State University and University of Pennsylvania.

AWARDS

Ogontz Campus

Faculty members cited for contributions

Judy Ozment, associate professor of chemistry at the Penn State Ogontz Campus, has received the 1992 Outstanding Teacher Award.

Cited for her organized and logical teaching style, Dr. Ozment is credited with helping students progress through difficult scientific subject matter until they are on the appropriate level for her class. On a routine basis she has involved students in undergraduate research projects, indicative of an ability to challenge the brightest while nurturing those who need added assistance.

Dr. Ozment earned chemistry degrees from the University of California at Davis, and the University of Utah, and was a postdoctoral research fellow in theoretical chemistry at the University of Seattle. She came to Ogontz in 1987; received the Ogontz Scholars Award in 1988, and has been coordinator of the Chemistry Department since 1989.

Also honored at Ogontz were Janice Mergle, assistant professor of engineering, who received the award for Outstanding Advisor; Wesley Olsen, associate professor of health science, who received an award for outstanding service to the campus community, and Gloria Dion, instructor in mathematics, for her innovative Math Options program which encourages junior high school girls to enter fields of math and sciences.



Judy Ozment

Alumni awards bestowed on two

Jay S. Pifer, president of West Penn Power Company, and Clearfield attorney Mark A. Falvo have received the Outstanding Alumni and Outstanding Young Alumni Awards, respectively, from the Penn State DuBois Alumni Society.

Mr. Pifer graduated from Penn State DuBois in 1959 with an associate degree in electrical engineering technology, and obtained a bachelor's degree from Clarion University in 1964.

For the past 27 years, he has worked for West Penn Power Company, beginning his career as a customer service representative. He later served as an industrial power engineer, a supervisor in customer service and accounting, a divisions manager, and as vice-president of divisions operations. In 1990, he was named president.

Mr. Pifer is a member of the advisory boards of Penn State Fayette, the University of Pittsburgh at Greensburg, and the Mon Valley Renaissance, and is a director of Penn's Southwest, the Pennsylvania Economic League, the Regional Industrial Development Corporation of Southwestern

Pennsylvania, and the Western Pennsylvania Development Credit Corporation. He also works with Rotary International, the Chamber of Commerce, the Industrial Development Corporation, and Laurel House for the Mentally Retarded.

Mr. Falvo graduated from Penn State in 1982 with a bachelor's degree in political science, and went on to earn his juris doctorate from Ohio Northern University College of Law in 1988. While at DuBois, he was a member of Delta Mu Sigma honor fraternity, and participated in baseball, intramurals, and the ski club.

For the past four years, he has worked as a judicial law clerk for the 46th judicial district, Common Pleas Court in Clearfield. For the past two years, he served as chairman of the Young Lawyers Division of the Clearfield County Bar Association. He also is a member of the Clearfield County Bar Association and its Executive Committee, the Pennsylvania Bar Association and the American Bar Association.

Director receives fellowship for arts research project

Ken Foster, director of the Center for the Performing Arts, has been awarded one of ten fellowships to a joint project of the British American Arts Association and the National Endowment for the Arts. The fellowship is for a research project with the British American Advanced Administrator Training Institute.

Mr. Foster's research will focus on the presentation of multicultural performing arts in a rural arts center. He plans to explore the relationship of an arts center to a rural community as well as the role such a center plays in the life of the community. Of particular interest to Foster is the effect such a community-based arts center might have on the politics of race.

The British American Arts Association is a non-profit organization acting as an advocate for artists and for international cultural activity between the United Kingdom and the United States. Its purpose is to make the processes of exchange and collaboration easier while ensuring that the benefits are widely felt.



Ken Foster

College and department produce award-winning publications

■ *Connections*, the Alumni Society newsletter in the College of Agricultural Sciences, has received a third place award in the newsletter contest conducted by the National Agricultural Alumni and Development Association.

■ A number of faculty and staff members in the Department of Agricultural and Biological Engineering have received blue ribbons in the 1992 Educational Aids Competition sponsored by the American Society of Agricultural Engineers.

They are: Marsha Hull, clerk typist, and

Sam Steel, project associate, for the quarterly newsletter, *PASC Safety Pipeline*; Perry Kubek, research technologist; Kelli Martin, senior research technologist, and Paul Robillard, assistant professor of agricultural engineering, for the software package, "Front Line Drinking Water Contamination Report; Kelli Martin and Paul Robillard for the publication, *Drinking Water Solutions: A User's Guide*; Timothy Pierson, instructor, and Thomas Ruscitti, graduate student, for their power-take-off shaft simulator.

Continuing Education is nationally recognized

Penn State Continuing Education programs and publications have been honored by the National University Continuing Education Association (NUCEA).

● The Department of Independent Learning's 1991 catalog was selected as the outstanding independent studies catalog by NUCEA's Division of Independent Studies. Gary Abdullah, account specialist in the Office of Marketing Communications, edited and oversaw production of the catalog, and Marilyn Shobaken, retired art editor, designed the catalog.

● The Rhetoric and Composition Conference brochure received the bronze award in the one- and two-color brochure category. LaVerne Maginnis, former acting director of marketing communications, coordinated the design and production of the brochure.

● The program "Androgyny in Action—Linking Theory with Practice in Delivery of Credit Degree Programs to Incarcerated Women" earned a Certificate of Excellence Award from NUCEA's Division of Certificate and Non-traditional Degree Programs. William H. Beisel, director of continuing education for the Williamsport Center, said the award honors an ongoing associate degree program offered to women at the Muncy Prison.

● The Management Development Programs and Services program with Infotec, a business in Mexico City, Mexico, was recognized as a Best Practices in Partnerships program for its innovative programming and creativity. Samuel C. DeWald, director of Management Development Programs and Services, directs the Infotec program. It also has received an honorable mention award from the American Council of Higher Education for "outstanding ACHE International Continuing Higher Education Program."

University chapter receives eighth award

The University chapter of Golden Key National Honor Society has received its eighth consecutive Key Chapter Award.

The Key Chapter Award is presented to outstanding Golden Key chapters who have excelled in five major areas: communication at the local and national levels; leadership and support of the adviser and officers; involvement of honorary members in programs and activities of the chapter; the institution of a successful campus awareness and reception, and the involvement of members in chapter activities which benefit the campus and community.

Golden Key, which has 180 chapters in the United States and Puerto Rico, is a non-profit, academic honors organization which provides academic recognition, leadership opportunities and scholarships. William W. Asbury, vice president for student services, is the Penn State chapter adviser.

**Art-to-Go**

A porcelain sculpture from the Qing Dynasty, Qianlong period (c. 1736-1795) will be on display during the month of October in the Calder Way and Allen Street offices of Peoples National Bank in State College.

A representation of Shou Lao, Taoist God of Longevity, the sculpture dates to the reign of one of China's most enlightened connoisseurs, Qianlong. Porcelains created during his reign are distinctive because of the use of a variety of glazes, many of which were perfected at the imperial ceramic factories.

Surrounding Shou Lao and giving homage to his greatness are the Eight Taoist Immortals, "patrons" to a variety of people including barbers, magicians, housewives, artists, and gardeners.

The sculpture is part of Art-to-Go, an ongoing monthly exhibit of different works from the Palmer Museum of Art's collection, on display at Peoples National Bank, to which the public is invited.

Looking for

Art-to-Go is provided by the Friends of the Palmer Museum of Art.

**'Off the Wall'**

Alden Studio presents "Off the Wall," an exhibition of first year drawing exercises by freshmen architecture students assisted by Curtis Gibbs, Annmarie Leach, Jessica Hecht, Maria Wenger and Chuck Manley. The exhibit is being presented through Oct. 30 in the exhibition gallery of Engineering Unit C, Department of Architecture, at University Park.

**Bach's Lunch**

The Penn State Mallet ensemble will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch Series sponsored by the School of Music and the University Lutheran Parish.

The program will include the Scherzo from Symphony No. 4 by



Tchaikovsky, the "Ballet of the Unhatched Chicks" by Moussorgsky and the Bach/Gounod "Ave Maria."

Directed by Dan Armstrong of the School of Music faculty, the Mallet Ensemble consists primarily of undergraduate and graduate music majors. Keith Tennent, a graduate teaching assistant in percussion, will be the marimba soloist in an arrangement of Bach's Sonata in A Minor for violin.

On Oct. 8, the Hi-Lo's, a group of 12 singers from the Penn State Glee Club, will perform in the chapel as part of the Bach's Lunch Series.

The program will include early English songs and glee, American folk

songs, and several selections from American popular song literature.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performances. Coffee and tea will be provided.

**Zoller exhibit**

Time Pieces, an exhibition focusing on the interpretation of time by 22 artists from the United States and the Netherlands, will be on display Oct. 5 through Nov. 1 in Zoller Gallery at University Park.

Guest Curator, Kenneth Krayer Jr., director of design at Details, part of the Steelcase Group, New York City, invited graphic and industrial designers, craft and fine artists to create a piece or pieces that exemplifies their perceptions of the theme.

The catalog documenting this exhibition

was sponsored by the School of Visual Arts and the Institute for the Arts and Humanities Studies and the Pennsylvania Council on the Arts.

**Zoller exhibit**

located in Room 101 of the Visual Arts Building. The gallery is open 9 a.m. to 5 p.m. Monday through Friday, 11 a.m. through 4:30 p.m. Saturday and noon to 4 p.m. Sunday. Admission is free.

**Odyssey on WPSU**

On "Spitting in Paradise," the next Odyssey Through Literature program on WPSU, Elena Castedo reads from and discusses her writing with guest host John Babalan.

A Harvard graduate, Dr. Castedo has worked as a social worker, a housewife, a daycare worker, an electrical appliance demonstrator, a doo-toe-door salesperson, and as a face model for mannequins. *Paradise*, her first novel, was one of the five finalists for the National Book Award in 1990.

Told from the point of view of a ten-year-old girl, *Paradise* describes "another Spain unknown to" modern Spaniards, that of the children led by the Spanish Civil War.

**Odyssey Through**

Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

**Saturday art school**

The Saturday Morning Art School, a community service of the Art Education Program of the School of Visual Arts, is accepting advance registrations for fall courses. Children, ages 5 to 12, teens, and adults bringing children to campus classes are eligible for this program in the visual arts.

The courses offered for fall are organized on the theme "Think of the Earth as Art" and "Art and the Environment," ages 5 and 6, "Explore the Earth, Swim the Sea, and Soar the Skies," ages 6 and 7, "Earth's Wonders

from Sphinx to Crazy Horse, ages 9 and 10; "Exploring the Arts World and Your Identity, ages 11 to teens; and "Shaping Mountains, Valleys and Streams in Ceramics," ages 10 through adult. The courses integrate experiences with artists in residence, galleries, and museums at University Park.

Sessions begin Saturday, Oct. 3, and continue through Saturday, Dec. 12. The courses are available on a first-come, first-served basis and fill rapidly. Therefore, advanced registration is recommended. A small fee for materials will be charged.

To register for any of the courses or for more information, please call (814) 865-6570, Monday through Friday, 9 a.m. to 4 p.m.

**Art history lecture**

Graham Smith, professor of art history at the University of Michigan, Ann Arbor, will present a lecture "Fox Talbot and Italy" at 8 p.m. Monday, Oct. 5, in the Rare Books Room of Pattee Library at University Park.

Professor Smith will explore the introduction of William Henry Fox Talbot's negative-positive paper photography into Italy in 1830 and 1840. Drawing on correspondence between Talbot and Italian Scientists in Bologna, Florence and Naples, he also will introduce some of the images that Talbot sent to his Italian correspondents in an effort to make his process known on the continent.

Professor Smith has been an active researcher, speaker and writer on two fronts: photo-history, with special reference to the earliest years of photography in England and Scotland, and Italian art. He has been the recipient of many honors and awards and is the author of five books.

**Centre Dimensions**

Centre Dimensions will perform its annual fall concert at 8 p.m. Thursday, Oct. 8, in the School of Music Recital Hall at University Park.

The program will include traditional arrangements from the books of Count Basie, Stan Kenton and Duke Ellington, as well as contemporary offerings from the libraries of Bob Mintzer, Maynard Ferguson and Oliver Nelson. Several members of the band will be performing as soloists, including Marty Bound on trumpet, Steve Dekker on trombone, Erik McDonough on bar sax and Andrew Davis on alto sax.

Under the leadership of Dan Yeager, director of jazz studies, Centre Dimensions has been awarded outstanding band awards at several major jazz festivals throughout the United States.

**Scopes on WPSU**

Patricia Bianconi, assistant professor of chemistry, will be the featured guest on today's segment of the WPSU radio program, "Scopes: Women and Minorities in the Sciences at Penn State." Hector Flores, associate professor of plant pathology and biotechnology, will be the guest on the Oct. 8 segment.



The half-hour program will air at 12:30 p.m. following a companion National Public Radio program titled, "Science Lives: Women and Minorities in the Sciences," which will begin at noon. The topic of today's exhibition, National Public Radio program is "The Right Chemistry," the topic for Oct. 8 is "It Must Have Been A Plant."

Dr. Bianconi's research is on the forefront of the synthesis of materials. She recently was honored with the Dreyfus Teacher/Scholar Award, considered one of the most prestigious prizes in its field, and with the Beckman Young Investigator Award.

Dr. Flores' research involves the bio-chemistry of biologically active products derived from plants. Dr. Flores has received awards from the USDA National Needs Fellowship, the National Science Foundation, the Charles A. Lindberg Fund, and the interagency Collaborative Research in Plant Biology Program.

Londa Schiebinger, associate professor of history and host of the series, will interview Drs. Bianconi and Flores.

"Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

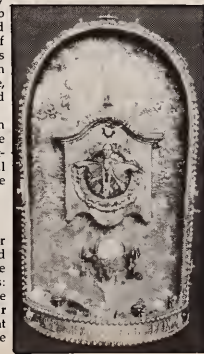
**Comedian to perform**

The comedian-Reno will perform at 8 p.m. Thursday, Oct. 8, in Schwab Auditorium at University Park.

Pushing stand-up to the realm of performance art, Reno's latest show, "Reno Once Removed," has received rave reviews since its opening last year at the Serious Fun Festival at Lincoln Center. Ranting, screaming and punching her way across the stage, Reno comments on everything from politics to parents to mammograms.

Her 1989 show, "Reno in Rage and Rehab," was adapted for an HBO special that earned her a nomination for the 1990 ACE Award for Best Writing in an Entertainment Special.

For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.



"It's About Time!" by Colleen Barry will be included in the School of Visual Arts exhibition, opening Oct. 5 and continuing through Nov. 1 in Zoller Gallery.



# University Park Calendar

## Oct. 1 — Oct. 11

### SPECIAL EVENTS

Thursday, Oct. 1

"National Quality Month," The Quality Forum VIII, Teleconference on "Quality '92: Leadership, Innovation and Discovery," 10 a.m. to 1 p.m., 402 Keller Conf. Center. Also panel discussion, 2-4 p.m., 402 Keller Conf. Center.

■ Guest lecture in French 350, 11:15 a.m.-12:30 p.m., 234 Arts. Francois Surd, Université of Paris X, on "La description dans la chanson de geste." For further information call Gerard Brault, 865-6062.

Bach's Lunch, 12:10-12:30 p.m., Eisenhower Chapel. Penn State Mallet Ensemble.

■ Inaugural meeting of the local chapter of the Fulbright Assoc., 5-8:30 p.m., Int'l. Lounge, 222 Boucke. Discussion, refreshments, and an informal lecture. Fulbright Scholar, Liliana Micu, writer and radio producer with Romanian National Radio, Bucharest, Romania, on "Change and Continuity in Romania."

Col. of Ed. Bernreuter Lecture in School Psych., 8 p.m., 112 Kern. Frank Farley, Univ. of Wisconsin-Madison, on "Psychology's Contribution to Education and Education Reform."

Friday, Oct. 2

Geog. Coffee Hour, 4 p.m., 319 Walker. Jacqueline Melander, pres., Centre for Urban Historical Science on "Homestead and Streetscape." Refreshments, 3:30 p.m.

■ Center for the Performing Arts, 8 p.m., Eisenhower Aud. Rigoletto, Italian National Opera.

Saturday, Oct. 3

Parent/Family Weekend, through Oct. 4. Workshop, "Promotion and Tenure," 9 a.m.-noon, 114 Kern. Blainie Bowen, speaker. Reservations, call Leah Wilzig at 863-1663 by Sept. 29.

Synergy, 8 p.m., Schwab Aud.

Monday, Oct. 5

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Stanley Weintraub on "Disraeli and Wilde's Dorian Gray." Refreshments provided.

Lecture, 8 p.m., Roke Books Room, Pattee Library. Graham Smith, Univ. of Mich., on "William Henry Fox Talbot, inventor of photography."

Sexual Assault Awareness/Prevention Week Keynote Presentation, 8 p.m., 101 Kern. Kathleen Barry, assoc. prof., Human Dev., and author of *Female Sexual Slavery*.

Tuesday, Oct. 6

■ Brown Bag Lunch, noon, 118 Willard. Doug Baker, Int'l. Peace Assoc., on "Religious Conflicts and Community Organization in Northern Ireland."

Center for Women Studies Sexual Assault Awareness/Prevention Week, 7:30 p.m., HUB Assembly Room. Hon. David E. Grine and an asst. dist. attorney, "Mock Acquaintance Rape Trial."

Wednesday, Oct. 7

Center for Women Studies, Brown Bag Lunch, noon-1 p.m., CWS Resource Room, 120 Boucke. Paula Ann Pricken, CAPS psychologist and Patty Johnson, CWS asst. dir., on "Incest and Its Impact on Women's Lives."

Lecture, 8 p.m., Carnegie Cinema. Gerald W. Abrams, Helix Entertainment Productions Inc., Hollywood, on "After

You Graduate...Then What? Also Oct. 8.

Thursday, Oct. 8

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Hi-Lo's from the Penn State Glee Club.

Center for the Performing Arts, 8 p.m., Schwab Aud. Reno.

Friday, Oct. 9

■ Geo. Coffee Hour, 4 p.m., 319 Walker. Refreshments, 3:30 p.m. Patricia Johnson on "Women and Development in Highland New Guinea."

### PUBLIC RADIO

WPSU-FM 91.1

"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursdays.

### CONFERENCES

Oct. 1-2. 3rd Annual Sigma Theta Tau Research Day; 100 attendees; Nittany Lion Inn; B. Dobemick, chair; K. Kaczner, coordinator.

Oct. 1-3. Annual Meeting of Society for Natural Philosophy; 40 attendees; Friendship Inn/Best Western/Autoport/Days Inn; C. Calderer, chair; E. Loop, coordinator.

Oct. 2. Change: The Key to Personal Innovation; 50 attendees; Nittany Lion Inn; C. Davison, chair; B. Impellitteri, coordinator.

Oct. 2-4. Hegal Society of America; 100 attendees; Nittany Lion Inn; J. Play, chair; W. Steiner, coordinator.

Oct. 2-4. Watchmakers Association of PA; 40 attendees; Hampton Inn/Nittany Lion Inn; D. Long, chair; J. Milson, coordinator.

Oct. 5 & 8. Polymer Tutorial Workshops I and II; 10 attendees; Atherton Hilton; J. Runt, chair; E. Loop, coordinator.

Oct. 5-7. Elements of Underground Coal Mining; 12 attendees; Days Inn; R. Frantz, chair; B. Impellitteri, coordinator.

Oct. 6-7. Penn State Polymer Symposium; 85 attendees; Atherton Hilton; J. Runt, chair; E. Loop, coordinator.

Oct. 6-7. Visible Emissions Training Program; 30 attendees; Local Hotels/Motels; R. Heinsch, chair; W. Steiner, coordinator.

Oct. 6-7. Penn State Pasture Grazing Workshop; 50 attendees; Local Hotels/Motels; M. Hall, chair; M. Johnson, coordinator.

Oct. 6-8. Motor Fuel Trainers Workshop; 10 attendees; Nittany Lion Inn; D. Smith, chair; E. Loop, coordinator.

Oct. 8. Polymer Tutorial Workshop II; 15 attendees; Atherton Hilton; J. Runt, chair; E. Loop, coordinator.

Oct. 8. PA Bar—Practical Hearsay; 5 attendees; Local Hotels/Motels; S. Hendrick, chair; J. Milson, coordinator.

Oct. 9-9. Conference on Special Education; 140 attendees; Nittany Lion Inn/Days Inn/Holiday Inn; G. Scala, chair; C. Hard, coordinator.

Oct. 11-16. Blue Cross/Blue Shield; 30 attendees; Nittany Lion Inn; J. Menoher, chair.

Oct. 11-16. Executive Management

Program #88, Week II; 15 attendees; Nittany Lion Inn; A. Clark, chair; J. Menoher, coordinator.

### SEMINARS

Thursday, Oct. 8

Ceramic Lecture, 11 a.m., 301 Steidle. Peter K. Davies, Univ. of Pa., on "New Intergrowth Structures in a-PbO<sub>2</sub>-Related Dielectric Oxides." Refreshments, 10:45 a.m.

Computer Science, 4 p.m., 325 Whitmore. William I. Chang, Cold Spring Harbor Lab, on "Approximate String Matching: Algorithms and Complexity."

Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Michael Smyer, Ethical Issues, "Decision Making Capacity in the Elderly." Industrial and Management Systems Eng., 4:30 p.m., 314 Hammond. Larry Jacobs, Advanced Cast Products. Refreshments, 4:15 p.m.

Friday, Oct. 2

Leonhard Center for Innovation and Enhancement of Ed. Education, Innovative Minds, 9 a.m.-4 p.m., Keller. Jacquelyn Winder, Jack Malson, workshop on "Change: The Key to Personal Innovation."

Center for Research in Conflict and Negotiation, 10:30 a.m., 327 Beam. James Laue, George Mason Univ., on "Getting to the Table: Talks About Talks."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Gerald G. Sims, UMD/ARS, Univ. of Ill., on "Bioavailability of Sorbed Xenobiotics."

Saturday, Oct. 3

Shaver's Creek, 7:30-9:30 a.m., Birding About Town. Call 863-2000.

Monday, Oct. 5

Alpha Epsilon Coffee Break II, 3-4:30 p.m., 169 Willard. David A. Shirley and Rodney J. Reed on "A University Dilemma: Teaching vs. Research."

Tuesday, Oct. 6

A.L. Bortee Lecture Series, 8:45-9:45 a.m., 201 Classroom Bldg. Lynette B. Corbell, UCD Med. Ctr., San Diego, Calif., on "Bovine Immunity To Haemophilus Somatic Infection." Refreshments, 8:30 a.m.

Plant Pathology, 12:15 p.m., 112 Bukhout. Inigo Zabalagoitia, Physico-Chemical Properties, on "Transmission, and Origins of a Double-Stranded RNA in Barley Cultivars."

Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. Andreas Acrivos, Lehigh Inst. for Physicochemical Hydrodynamics, on "Flow of a Sediment Layer on an Inclined Plate." Refreshments, 2:45 p.m.

■ Seminar, 3:30-4:30 p.m., 323 Henderson East. Su-Lee Lee (Jasmine) on "The Meaning of Chinese Gards."

Graduate Program in Nutrition Colloquium Series, 4 p.m., S209 Henderson South. Barbara Rolls on "Dietary Fat and the Regulation of Food Intake."

Wednesday, Oct. 7

Biotechnology Institute, 2:30 p.m., 110 Wartik. David T. Ho, Wash. Univ., on "Biochemistry of ABA Action in Plants."

Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam BAB. Sandra Chamberlain, Univ. of Pa., on "Managing Financial Reports of Commercial Banks: The Influence of Taxes, Regulatory Capital, and Earnings."

Eng. Science and Mechanics EMoh 514,

3:35 p.m., 314 Hammond. Mercedes N. Lakhtakia on "The First Attempt at NWP, or Richardson's Blunder."

Thursday, Oct. 8

Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. Tony D'Augelli on "Ethical Issues," Homosexuality and Old Age. Industrial and Management Systems Eng., 4:30 p.m., 314 Hammond. Young Woo Park and Sagar Kamarthi, Penn State Graduate Studies. Refreshments, 4:15 p.m.

Friday, Oct. 9

Tropical Studies Symposium, Biodiversity, Conservation and Development. Morning session, Keller Aud.; afternoon session Kern Aud. Daniel Janzen, Univ. of Pa. and Michael Balick, N.Y. Botanical Garden and six Penn State faculty. For further info, call Hector Flores at 865-2955.

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. David Nelson, Honda of America Manufacturing Inc., on "Procurement Practices and Supplier Relationships at Honda of America."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Gunter Stotky, Dept. of Biology, New York Univ., on "Gene Transfer Among and Ecological Effects of Genetically Modified Bacteria in Soil."

Shaver's Creek, 7-9 p.m., Owl Prowl. Call 863-2000.

Shaver's Creek, 10:11-30 a.m., Thirteen Moons On The Northern Back. Call 863-2000.

Sunday, Oct. 11

Shaver's Creek, 1-5 p.m., Mountain Foliage + Hike. Call 863-2000.

### EXHIBITS

Chambers Gallery

"Photography Exchange," works by undergraduate students from Univ. of Florida, through Oct. 9.

Hetzel Union Building

Formal and Browning Art Galleries: "Climbing Jacob's Ladder: The Rise of Black Churches in Eastern American Cities, 1740-1877,"—an exhibition that examines the beginnings of African-American churches, through Oct. 25.

Pattee Library

Main Lobby:

"Teaching the Libraries: The Preservation Problem," through Nov. 9.

East Corridor Gallery:

Art works by Ann Vanderveelde, through Oct. 31.

Lending Services Gallery:

"Computer Graphics: A New Direction in Art," by Jacob Baran, through Oct. 5.

Roke Books Room:

Pochin: Color illustration by Stencil.

Zoller Gallery:

"Time Pieces," Oct. 5-Nov. 1.

### TIPS

Information Penn State  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ Features an International perspective

# LECTURES

## Co-chair of Hearst Entertainment to visit University Park Oct. 5—9

Gerald W. Abrams ('61 Comm), co-chairman of Hearst Entertainment Productions, Inc. in Hollywood, will be at University Park Oct. 5 through 9 to visit communications classes. In addition, he will present lectures followed by informal discussions at 8 p.m. Oct. 7 and 8 in the Carnegie Cinema. The theme for his visit will be "After you graduate... then what?"

Mr. Abrams has worked toward expanding Hearst Entertainment as a major player in the television and cable business around the world. In 1990, Hearst received eleven Emmy nominations for its films, winning three; and four Golden Globe nominations, winning one. Mr. Abrams has produced over 30 television films including *Family of Spies*, *Jekyll and Hyde*, and *The Fatal Image*. He is a member of the School of Communications Alumni Society Board of Directors and was named Alumni Fellow in 1981 and Distinguished Alumnus in 1986.

Mr. Abrams recruited other profes-

sionals who will speak on their careers and provide career advice to students. Gene Jankowski, chairman and ceo of Jankowski Communications System, Inc., and former CBS chairman of the broadcast group, will speak at 8 p.m. Monday, Oct. 5. Mr. Jankowski has 30 years of broadcast experience with CBS, holding positions as account executive, general sales manager, and executive vice president. He currently is the chairman of the American Film Institute.

Terry McDonnell, editor-in-chief of *Esquire* magazine, will speak at 8 p.m. Tuesday, Oct. 6. Formerly, Mr. McDonnell was president and editor-in-chief of the magazine, *Smart*, managing editor of *Newsweek*, and assistant managing editor of *Rolling Stone*. His television writing credits include "Miami Vice" and "China Beach." He also wrote a novel, *California Bloodstock*, published in 1980.

For more information, contact Christine Templeton at (614) 865-8801.

## President-elect of APA to speak

Frank Farley, professor of educational psychology at the University of Wisconsin-Madison and president-elect of the American Psychological Association, will present the College of Education Bernreuter Lecture in School Psychology at 8 tonight in 112 Kern Building at University Park.

The lecture, titled "Psychology's Contribution to Education and Education Reform" will be followed by a reception for Drs. Farley and Bernreuter in the President's Room of the Nittany Lion Inn.

Dr. Farley, a native of Canada, received his Ph.D. from the University of London, England in 1966. Since emigrating to the United States in 1966, he has been a professor at the University of Wisconsin-Madison. He has been a leader in applying applied psychological science to understanding and improving education.

Currently president-elect of the American Psychological Association, Dr. Farley has in the past been president of the APA's Division of Educational Psychology and the American Educational Research Association. He is a recipient of the highest national award in educational psychology, E.L. Thorndike Award for Distinguished Contributions of Psychology of Education.

The Bernreuter Lecture in School Psychology began in 1982 with contributions from alumni and friends of Robert Bernreuter, a long-time faculty member of the College of Education. In 1931, Bernreuter established the Psycho-Education Clinic and began refining his "Bernreuter Personality Inventory," the pioneer multiphasic test of traits that became the standard by which other personality tests were measured.

## Tropical Studies Symposium to focus on biodiversity

"Biodiversity, Conservation and Development" will be the topic of the 1992 Tropical Studies Symposium scheduled for Friday, Oct. 9.

The morning session, which will be chaired by Andrew Stephenson, professor of biology, will be held in Keller Conference Center Auditorium at University Park. Daniel Janzen, professor of biology, University of Pennsylvania, will present the keynote address, "Conservation of Tropical Biodiversity Through Management for Non-destructive Use."

Presentation by University faculty members in the morning session will be "Island Life: An Evolutionary

Perspective in the West Indies." Blair Hedges, assistant professor of biology, and "Behavioral Diversity of Lake Malawi Fishes," Jay R. Stauffer, professor of fishery science.

The afternoon session will be held in 112 Kern Graduate Building, and will be chaired by Stephen Beckerman, associate professor of anthropology. An invited lecture, "Ethnobotany, Drug Development and the Conservation of Biodiversity," will be presented by Michael Balick, Institute of Economic Botany, New York Botanical Gardens.

Four other presentations by University faculty members will com-

### Paul T. Baker Lecture

## Genetics to be topic Oct. 26

"Ethnicity and Disease: Genes and Lifestyles in Aboriginal North America," will be the subject of the fifth Paul T. Baker Lecture to be held at 4 p.m. Monday, Oct. 26, in 112 Kern Graduate Building at University Park.

Emoke J.E. Szathmary, dean of the faculty of social science, University of Western Ontario, will discuss the role genetic variation plays in the distribution of chronic diseases through space and time. She will explore why understanding the causes of diseases such as non-insulin dependent diabetes mellitus or atherosclerosis requires examination of the interaction between heredity and environment.

Dr. Szathmary will explain how studying isolated populations or ethnic minorities in which risk of these diseases is high can aid in understanding the problems.

Dr. Szathmary received her degrees from the University of Toronto in anthropology and worked at McMaster University before moving to her current position at Western Ontario University in 1980. She is one of the world's leading experts on the settlement, history and biology of the native populations of Northern North America.

The Baker Lectureship in Human Biology and Anthropology was established in 1987 to honor Paul T. Baker for his distinguished service to graduate education and research at Penn State and for his efforts to promote a multidisciplinary approach in the study of the biology and behavior of humanity.

## Lectures to help orient Fellows

The School of Communications will host the Fall Orientation of Walter Kaitz Fellows at University Park Oct. 3-8.

The four-day Orientation Program launched in 1991 was developed for the new class of Fellows and incorporates lectures by University faculty and cable television executives. It provides both theoretical instruction and practical perspectives on the cable industry.

Lectures will cover: "History and Development of Cable Television," "Current Legal, Regulatory and Legislative Issues," "Emerging Technologies," "Management and Operational Issues," "Franchising and Government Relations," "Cable TV and the First Amendment," and "Programming Services."

This year's cable executives are Paul Fross, president, TKR Cable Company; Paul Jones, senior vice president, Warner Cable; Spencer Kaitz, president, California Cable Television Association; David Baldwin, vice president of program planning, HBO; McAdory Lipscomb, senior vice president, Showtime Network; Scott Bachman, director of technical operations, Cable TV

Laboratories; Curtis Symond, vice president of Black Entertainment Television; Gayle Greer, vice president, ATC National Division; Patrick Lopker, vice president of finance and administration, the Disney Channel; Doug Holloway, senior vice president/affiliate relations, USA Network; and Linda Moffat, vice president/eastern division, Cable News Network.

Richard Taylor, Palmer Professor of Telecommunications Studies, said, "Our program in Telecommunications Studies is designed to serve both our students and the Cable TV industry. Our association with the Kaitz Foundation is an exciting and natural extension of what we do here."

The Walter Kaitz Foundation is a non-profit organization created in 1983 by the cable industry to recruit, screen, and place highly qualified people of color into management positions in the industry. Since 1983, over 150 individuals have successfully completed the Cable Management Program.

For more information, contact Dr. Taylor at (814) 863-1482 or Christine Patterson at (814) 863-6061.

plete the afternoon session. Jack Schultz, associate professor of entomology will present "Chemical Ecology and Biodiversity: Understanding Nature's Pharmacopeia at Home and Abroad;" Hector E. Flores, associate professor of plant pathology will present "Biotechnology, Biodiversity and Plant Biochemistry;" Jonathan Lynch, assistant professor of plant nutrition will present "Biodiversity and Plant Breeding: The Case of Paeonius," and Robert D. Weaver, associate professor of agricultural economics will present "Development, Biodiversity and Environmental Policy in Africa."

The conference is sponsored by the

Tropical Studies Committee operating under the Office of the Senior Vice President for Research and Dean of the Graduate School. Financial support for the conference was supplied by the Graduate School, Sigma Xi Penn State Chapter, Agricultural Experiment Station, Biotechnology Institute, Intercollegiate Graduate Program in Ecology and the Entomology Department.

The conference is open to the public. For more information, contact Dr. Flores, symposium chair, at 315 Wartik Laboratory, (814) 865-2955 or FAX (814) 863-1357.

## NEWS IN BRIEF

**Hurricane relief project**

Students in the University Scholars Program have set up a canned food relief drive for victims of Hurricane Andrew at 10 collection points at University Park.

Through Friday, Oct. 2, the University community is asked to make donations of canned food at the specially marked containers in Kern, the Intramural Building, the first floor of Willard Building, the HUB desk and the commons areas of Findlay, Pollock, Warnock, Waring, and Redifer residence halls.

The drive is coordinated by Andrea Phillips, a senior majoring in advertising. Groups assisting the scholars are the Interfraternity Council and Panhellenic Council, Circle K, Alpha Phi Omega and Gamma Sigma Sigma. For more information, contact Ms. Phillips at 238-3449.

**Adviser(s) sought**

The Varsity Rifle Team is seeking one or more full-time University employees to become the team's adviser or advising group. Interested employees must either be certified as instructors or willing to become instructors.

Interested individuals should contact Denise Mazzarini during the day at 865-2708 or Eve Gestl, team captain, at 862-6159 in the evening.

**Registrar expands services**

The Office of the Registrar has improved its informational services by adding several new telephone access systems.

A 24-hour registrar information hotline at (814) 863-8500 provides transcript, registration and commencement information. General information questions may be directed to (814) 865-6357 Monday through Friday during regular business hours. To expedite requests for transcripts, verifications, and other materials, a FAX service is provided at (814) 865-6359.

**Movement skills program**

The College of Health and Human Development is offering a free program in basic movement skills and games for children, ages 5 through 8, beginning Tuesday, Oct. 13.

The program will be held in Room 126 White Building at University Park from 3:45 to 4:30 p.m. on Tuesdays through Nov. 17. Registration will be held at 3:45 p.m. on the first class day, Tuesday, Oct. 13, in Room 126 White Building.

For more information, contact Gillian Rattray, coordinator for elementary physical education, at 863-3451.

**AIDS Memorial Quilt trip**

The Centre County AIDS Memorial Quilt has buses reserved to view the NAMES Quilt in Washington, D.C. on Saturday, Oct. 10.

The entire NAMES Project AIDS Memorial Quilt will be displayed in Washington, D.C. Oct. 9-11. The Quilt, which was begun by lesbian and gay men and their friends to commemorate the lives of men, women and children who have died of AIDS, is made of thousands of individual three-by-six foot cloth memorials.

The cost to join the Network bus trip is \$18 per person. Make your reservation by contacting Kathy Raupach, 234-7087, at the AIDS Project.

**Open house**

The Microcomputer Order Center will be hosting an Open House from 9 a.m. to 9 p.m. Friday, Oct. 2, in the newly renovated Systems Evaluation Laboratory, 12 Willard Building, University Park.

Major computer systems, peripheral and software vendors will be attending to promote their products and participate in a give-away. Faculty, staff and students are invited to come in, browse and ask questions about choosing and purchasing a computer system.

**American Heart Walk**

The faculty and staff of the Noll Laboratory for Human Performance Research are assisting the American Heart Association with the American Heart Walk in Centre County to be held Saturday, Oct. 3.

Registration for the event will be held at 8 a.m. at Recreation Building on the University Park Campus. Following warm-up exercises, the event will begin at 9 a.m. Closing activities will be held at 11:15 a.m. at Recreation Building.

For more information, contact Dorothy Campolongo, 119 Noll Laboratory, (814) 865-3453.

# Master Teacher Seminars set

The Instructional Development Program is sponsoring a series of Master Teacher Seminars this fall.

"The seminar series by master teachers provides the opportunity for teachers at Penn State to share with other teachers," Diane Emerson, director of IDP, said. "It also gives greater visibility and recognition to those faculty who are dedicated to teaching. IDP is committed to using local resources as a mechanism for promoting excellence in teaching and at the same time building a sense of community among those who teach."

The four seminars in the fall series are:

- Thursday, Oct. 15, James M. Rambeau, associate dean, Office of Undergraduate Education, and associate professor of English, "Assessing Teaching and Learning in Undergraduate Education." As both an administrator and an award-winning teacher, Dr. Rambeau will present his views of the parameters and ramifications of assessment in higher education.

- Thursday, Oct. 22, John W. Moore Jr., associate professor of English, "Teaching by Discussion: Dangers and Opportunities." Dr. Moore, who teaches by discussion with groups ranging from 12 to 50, will examine successful tactics for discussion teaching, what to avoid, when discussion teaching is most useful, and why.

- Wednesday, Oct. 28, Larry D. Spence, associate professor of political science, "Deming in the Classroom: Does He Belong?" As academe embraces the model of Total Quality Management (TQM), Dr. Spence will give a brief review of the issues, discuss the problems of transferring a business model to the university, and examine how new metaphors can open up new perspectives on existing issues.

- Thursday, Nov. 5, Helen A. Manfull, associate professor of theatre and film, "On Discovering Who and Relating to Students in Large Class Sections." Dr. Manfull will share some strategies for getting to know the students and what they are thinking about during the process of learning so that one can provide the appropriate kind of instruction.

All four seminars will meet from 3:30 to 5 p.m. in 118 Agricultural Sciences and Industries Building at University Park. The feature speakers will present their views during the first half hour, and the remaining hour will be used for group discussion.

Pre-registration for the Master Teacher Seminar Series is recommended, but not required. To register or to obtain more information, contact IDP at 863-2599. IDP is a unit of the Office of the Vice Provost and Dean for Undergraduate Education.

# Bioprocessing Resource Center receives \$500,000 grant for program

The Bioprocessing Resource Center has received \$500,000 from the Pennsylvania Department of Commerce for fiscal year 1992.

The Bioprocessing Resource Center is jointly supported by the Industrial Resource Center Program and the Ben Franklin Partnership and is in its fifth year of operation.

"We are pleased to be part of both the Industrial Resource Center Program and the Ben Franklin Partnership Program," James K. Shillenn, executive director, said. "This funding will allow the BRC to develop new programs for Pennsylvania's biotechnology industry and continue custom, one-on-one projects for process and product improvements."

In the past year, New Brunswick Scientific has permanently loaned four BioFlo reactors to the Biotechnology Institute for use in training and in the BRC's research and development projects. With this equipment, two companies have successfully scaled up their production technology from shaker flasks to controlled reactors.

According to Dr. Shillenn, the Pennsylvania Biotechnology Association grew by 45 percent to reach a membership of 165.

Plans for fiscal year 1992 include launching the association as a totally independent non-profit corporation.

Over the past year, the BRC has developed 46 projects and completed 11 projects with Pennsylvania companies. These projects ranged from simple fermentation to media composition and optimization studies. The BRC also implemented a Technical Advancement Review service to help small companies develop business strategies for continued technological advancement.

Wayne Curtis, assistant professor, and Al Carlson, associate professor, both in chemical engineering, are technical advisers to the resource center. They provide a diversity of expertise for development of projects with industry.

The resource center's plans for next year include development of a validation center to help companies with regulatory issues concerning pharmaceutical and biotechnology products. Plans also are under way to increase the number and range of workshops offered by the BRC. New courses in process and facility validation are under development.

*The resource center's plans for next year include development of a validation center to help companies with regulatory issues concerning pharmaceutical and biotechnology products*

**CARPOOLERS**

An employee is looking for an additional driver to join her carpool from Philipsburg to University Park. Work hours are 8 a.m. to 5 p.m. Call 342-6758 (after 6 p.m.).

An employee is looking for a ride from the Tyrone/Warriors Mark area to University Park. Work hours are 8 a.m. to 5 p.m. Call Sandy at 865-0848 or 632-5051.

PARTINGS

## Chemistry professor retires with emeritus rank after 24 years of service

Lloyd M. Jackman, professor of chemistry, has retired with emeritus rank after 24 years service.

Dr. Jackman, a physical organic chemist, is widely known as an authority on applications of nuclear magnetic resonance spectroscopy (NMR) to organic chemistry.

A native of Australia, he earned his bachelor's, master's and doctoral degrees at the University of Adelaide, South Australia, and conducted postdoctoral studies at Imperial College, University of London, from 1951 to 1952. Prior to joining the University faculty as a professor in 1967, he was a faculty member at the University of London for 10 years and professor and head of the organic chemistry department and associate dean of science at the University of Melbourne.

Dr. Jackman is a Fellow of the American Association for the Advancement of Science and was named a National Science Foundation Senior Foreign Fellow in 1965. He has won numerous awards, including a Guggenheim Fellowship and two Alexander von Humboldt awards, and has been a visiting professor at several universities in the U.S. and abroad.

The author of more than 150 published research papers, the second edition of his book, *Applications of Nuclear Magnetic Resonance Spectroscopy in Organic Chemistry*, was named one of the top 40 most-cited books in science.

Dr. Jackman and his wife, Marie, live in State College. They have three children, two of whom are Penn Staters, and two grandchildren. Dr. Jackman says he plans to continue his research projects and hopes to spend more time reading and listening to music.



Lloyd M. Jackman

## Associate professor ends service to University

John W. Davis, associate professor of industrial engineering, has retired after 22 years service.

An expert in environmental problems, particularly air pollution, he has presented numerous technical papers and written more than 50 journal articles related to this field.

Dr. Davis has had a varied career which includes engineering, consulting, teaching and pastoral activities. After receiving his bachelor's degree in industrial engineering from Penn State, he earned a master's of divinity degree at Princeton Seminary and spent a number of years as pastor of the Mt. Nittany Presbyterian Parish. He then returned to the engineering profession as production manager and engineer for Tem-Pres Research Incorporated in State College.

Dr. Davis returned to Penn State in 1966 as a research assistant and instrument development engineer for the Center for Air Environment Studies. After completing a master's degree in industrial engineering in 1971, he was appointed a general engineer for the Environmental Protection Agency Stationary Source Emissions Branch in North Carolina, where he served from 1972 to 1974.



John W. Davis

In 1974, he returned to Penn State as a senior research associate for the Center for Air Environment Studies and as the associate director of the Office of Industrial Research.

He received his Ph.D. in industrial engineering from Penn State in 1977 and was named associate professor of industrial engineering in 1987. He is a registered professional engineer in Pennsylvania.

During his retirement, Dr. Davis is doing engineering consulting and pursuing his hobbies of woodworking, writing and hiking. He also is acting as moderator for the Presbyterian Church of Port Matilda.

## Engineering continuing education

### Academic program director ends 23-year University career

Richard A. Mollo, academic program director of engineering continuing education and associate professor of electrical engineering, has retired after 23 years service.

Dr. Mollo was recognized as a teaching innovator in both resident instruction and continuing education. He was instrumental in developing and administering Electrical Engineering's

Continuing Education Program.

In addition to his academic activities, Dr. Mollo has 19 years of industrial experience as a research engineer developing electrical and electro-optical control and computer systems for a variety of applications. He continues to consult in these areas.

A registered Professional Engineer in Pennsylvania, he has three patent disclosures and has published extensively in engineering education, electro-optics, instrumentation and communication systems. He received a NASA Patent Disclosure Award in 1969.

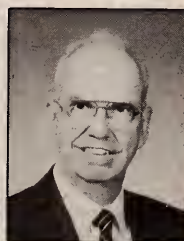
He received three degrees from Penn State — a bachelor's in engineering science and a master's and a doctorate in electrical engineering.

In 1957, Dr. Mollo joined HRB-Singer, Inc., of State College, as a staff engineer and remained until 1971 when he joined Penn State.



Richard A. Mollo

## 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, Bruce Broadbent, assistant professor of exercise and sport science at the Penn State York Campus; Arthur E. Goldschmidt Jr., professor of Middle East history; Robert J. Maddox, professor of United States history; Dan P. Silverman, professor of European history, and Richard Unz, professor of environmental microbiology in the College of Engineering.

# Focus on Research

Intercom  
October 1, 1992

## Molecular techniques and Chilean mummies help researchers investigate ancient genes

Geneticists at The Milton S. Ebersole Medical Center are using bits of muscle and tissue remains from Chilean mummies to piece together information about burial practices, diseases, and diets of ancient Indian societies.

As the ancient mummies stubbornly yield their genetic secrets, scientists and historians can begin to understand the nature of family relationships and the origins of diseases such as syphilis and tuberculosis.

Fishing through ancient genes isn't new. Using the molecular technique, polymerase chain reaction (PCR), scientists can amplify DNA, making myriad copies of genetic material to study from only a few originals. PCR mimics the DNA replication that takes place during normal cell division.

But the University researchers have taken PCR one step further! They've devised a way to biochemically bypass the ravages of environment and time that normally damage centuries-old DNA, which hampers its readability and use.

The researchers believe that their techniques and others like them will become powerful new tools in the burgeoning field of molecular archaeology.

"This may provide a new way of understanding

**The researchers believe their techniques ... will become powerful new tools in the burgeoning field of molecular archaeology.**



the social structure of these ancient populations," Peter Rogan, assistant professor of pediatrics, said.



DNA from several Chilean mummies, like the one shown above, has been isolated by Drs. Rogan and Salvo.

"If you know that people were buried together because either they were related, or because they existed in some social hierarchy, you begin to understand how they lived."

Dr. Rogan points out that ancient DNA tends to be scarce and is usually damaged or contaminated. "It's difficult to amplify (the DNA) with PCR," he said, "primarily because the ancient DNA is broken up into shorter-than-normal pieces due to oxidative damage. Living organisms have enzymes that protect DNA from such damage or that repair molecules already damaged, but these mechanisms don't work after death."

The damaged DNA sequences hinder the process by which enzymes known as DNA polymerases actually engineer the PCR reaction.

Dr. Rogan and Joseph Salvo, of GE Corporate Research and Development in Schenectady, NY, developed an enzymatic method to sidestep the DNA damage, allowing them to routinely copy the ancient DNA they've been able to salvage.

Dr. Rogan and his colleagues reported the new

techniques recently at the First World Congress on Mummy Studies in Tenerife, Spain.

"We showed that we have amplified the mummy DNA, cloned and determined its sequence," he said. By making and subsequently deciphering large numbers of copies of the DNA codes of individuals, researchers, using a process similar to what's done in DNA fingerprinting, will be able to look for common inheritance patterns in DNA sequences.

"Our goal is to understand relatedness between individuals," Dr. Rogan said. "Now that we have a technique that is reliable and accurate, we want to analyze kinship in groups of mummified individuals. In an ancient cemetery comprised of at least 10 individuals, we may now be able to show who's related to whom."

"The practice of burying relatives together in a cemetery is a modern practice. Archaeologists have approached this by

analyzing the types of artifacts buried with people. If different individuals possessed implements with the same decorations, they would make the case for consanguinity. This is obviously indirect logic. We'd like to address this question directly."

Drs. Rogan and Salvo isolated DNA from mummies of several Chilean cultures at various sites. One excavation contained subjects of the ancient Inca Empire, dating back roughly 500 years ago. Others were from older settlements belonging to the Tiwanaku culture, which is about 900 years old, and the Chinoro, some 2,000 years old. All were within a 100 km radius in the Atacama Desert, located in northern Chile and Peru.

Dr. Rogan's next project is a collaborative effort aimed at understanding the origins of the Canary Islands native peoples. The work entails using portions of mitochondrial DNA, genetic material located outside the cell nucleus and inherited only from the mother, to help determine which modern ethnic groups are most closely related to this aboriginal population.

— Steven I. Benowitz

# Alumni Fellows to make October appearances

## College of Health and Human Development and College of the Liberal Arts

Lois Bloom, an internationally regarded scholar in the language development of children, and James F. Moore, president of one of the largest restaurant chains in California, have been named 1992 Alumni Fellows. They will visit University Park on Oct. 15 to receive the award and meet with students and faculty.

The College of Health and Human Development and the College of the Liberal Arts will co-sponsor Dr. Bloom's visit. Dr. Bloom, who earned a bachelor's degree in arts and letters in 1956, is the Edward Lee Thordike professor of psychology and education at Teacher's College, Columbia University. She is the author of six books, including the landmark book *Language Development: Form and Function in Emerging Grammars*.

Lois Bloom

She is past president of the Developmental Psychology Division of the American Psychological Association and holds Fellow status in four different professional organizations: the APA, the American Psychological Society, the American Speech-Language-Hearing Association, and the New York Academy of Sciences. She also spent a year as a Fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford, Calif.

In 1986 she received the Distinguished Achievement Award from the New York City Speech and Language Association, and in November she will receive the Honors of the American Speech-Language-Hearing Association.

Mr. Moore's visit will be sponsored by the College of Health and Human Development. He earned a bachelor's degree in hotel administration — now called hotel, restaurant, and institutional management — from Penn State in 1957. He is president of Far West Concepts, an organization of 85 restaurants that generates \$190 million in sales and employs more than 7,000 people.

Most of the Far West Concepts restaurants operate as Reuben's or Charley Brown's, and for more than 25 years have specialized in steaks, prime rib, fresh seafood and shellfish. Far West also includes a number of specialty restaurants, including the Pavilion at the Dorothy Chandler Performing Arts Center, where the Academy Awards ceremony often is held.

Earlier in his career, Mr. Moore spent 15 years with the Stouffer Food Corporation, rising from management trainee to vice president of operations. He also was executive vice president and chief operating officer of Henni's Restaurants, Inc., a division of Green Giant Company.

He has been named *Managers of the Month* by *Market Magazine*. His other awards include the Distinguished Service Award from the Chicago Restaurant Association, the Distinguished Food Service Executive Award from the North American Food Service Corporation, and Manager of the Year from the Wisconsin Restaurant Association.

"Alumni Fellow" is one of the highest honors that the University bestows on its gradu-

ates, and is a lifelong designation.

Sponsored by the Penn State Alumni Association and the colleges, the Alumni Fellows program is designed to link prominent graduates and current students, faculty, and administrators.

## College of Engineering

Michael A. Brunner, retired president of AT&T Federal Systems, and Edward B. Bryant, executive vice president-operations, Libbey-Owens-Ford Co., have been named 1992 Penn State Alumni Fellows. They will visit University Park Oct. 8-10 and meet with students, faculty, administrators and staff of the College of Engineering.



Michael A. Brunner

Mr. Brunner, who retired from AT&T in February 1992, currently is a management and business development consultant to several companies in the Washington, D.C., area. He also chairs the Penn State Leonhard Center for Innovation and Enhancement of Engineering Education Advisory Board.

Mr. Brunner joined AT&T as a student engineer, and held various management positions throughout AT&T. He was appointed president of AT&T Federal Systems in 1989. In that position he was responsible for the acquisition and management of multimillion dollar contracts with various governmental agencies.



Edward B. Bryant

A Penn State Outstanding Engineering Alumnus, Mr. Brunner is a member of the College of Engineering Industrial and Professional Advisory Council and the 1992-93 vice chair of the industrial engineering section.

He received a bachelor's degree in industrial engineering from Penn State in 1965.

As executive vice president-operations, Libbey-Owens-Ford Co., Mr. Bryant is the chief operating officer responsible for the three strategic business units at Libbey-Owens-Ford — automotive glass replacement, flat glass products, and original equipment/automotive.

Libbey-Owens-Ford is a manufacturer of architectural glass and automotive glass. Since he joined the company in 1983, Mr. Bryant has held the positions of vice president and general manager of the automotive products group and group vice president of glass operations.

A Penn State Outstanding Engineering Alumnus, he is a member of the Dean's Advisory Board on Minority Engineering Activities and of the Leonhard Center for Innovation and Enhancement of Engineering Education. He is a member of the College of Engineering Industrial and Professional Advisory Council and the 1992-93 chair of the industrial engineering section.

Mr. Bryant received a bachelor's degree in industrial engineering from Penn State in 1963 and is a graduate of the Executive Management Program at Harvard University Business School.

## College of Engineering receives NSF grant

The College of Engineering has received a \$203,867 National Science Foundation Grant to encourage college and university faculty to teach engineering, science and math through manufacturing.

"Manufacturing and computer-aided manufacturing, both interdisciplinary areas of study, are ideal to illustrate the basic principles of science and mathematics. Because they are contemporary disciplines with ample hands-on opportunities, they offer students much needed motivation," said Clayton O. Ruud, professor of industrial engineering and principal investigator for the grant.

The grant, titled "Manufacturing as a Vehicle to Illustrate Principles of Science, Mathematics, and Engineering," underwrote a Teaching Enhancement Program on Applications of Science and Mathematics to Manufacturing for Undergraduate Faculty last summer.

Fifty-eight academics from Northeastern colleges and universities, mainly smaller institutions, attended one of two five-day programs free of charge. In groups of 10 individuals, they experienced engineering application of basic science and math through hands-on manufacturing processing.

Other faculty involved in the project are Paul H. Cohen, professor, El-Amine Lehtihel and Robert C. Voight, associate professors, and Sanjay B. Joshi and Laura B. Raiman, assistant professors, all in the Department of Industrial and Management Systems Engineering, and Reinhard Graetzer, professor of physics.



James F. Moore

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October 1, 1992  
Vol. 22, No. 7

## PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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# INTERCOM

October 8, 1992

Volume 22, Number 8

## University Park

### Clean up of Duck Pond planned

Bird watchers, motorists and children who like to feed the ducks will be happy to know that the Duck Pond at University Park is being cleaned up. Last drained and dredged in 1977, years of stormwater runoff from the University and the Borough of State College have silted up the pond leaving less and less room for the ducks.

With the permission of the Pennsylvania Fish Commission, the University and the Borough of State College are sharing expenses to drain and dredge the Duck Pond, which is just beyond the University Drive overpass on East College Avenue.

"Stormwater was diverted from the Duck Pond to the adjacent Thompson Run bypass last week, and Stone Valley Construction of Pine Grove Mills is now dredging to remove about 9,500 cubic yards of silt," said Lisa A. Berkey, project manager for the Office of Physical Plant at Penn State.

Dredging began at the southeast end and is moving west and north to concentrate on the dam end and south side of the pond. The project is to be finished in October.

Although not designed to be, the Duck Pond is essentially a detention pond for stormwater discharge from the Borough and the University. Contrary to the perception of many, no effluent from the wastewater treatment plant enters the Pond.

As sediment of suspended materials from stormwater builds up, the pond becomes shallow and shortens the time stormwater remains in the pond. Materials in the stormwater may then be carried through instead of settling to the bottom. This silt and additional runoff-silt from the banks along Thompson Run and Slab Cabin Run flow into Spring Creek and affect the fish population.

"Trout Unlimited has been an advocate of the cleaning for some time," Ms. Berkey said. We have worked with them on the timing of the project to complete it before the brown trout begin spawning. Trout eggs are very vulnerable to silt.

The project will cost \$130,000, or \$65,000 each for the University and the Borough. Stone Valley Construction, which performed the last dredging in 1977 for approximately \$43,000, will dispose of the sediment as compost or mulch. The sediment has been tested and is non-hazardous.

The ducks are taking up residence

in Thompson Run during construction. Once the cleaning is finished, the ducks will return and the landscaping will be restored.



The Duck Pond—a serene scene.

Photo: Steve Williams

### IBM gives \$1 million to further University TQM principles

Penn State's quality management efforts just got a boost with a \$1 million competitive award from IBM to further the use of Total Quality Management principles in teaching, research and University management.

"Penn State has made a commitment to incorporate quality management into both academic and nonacademic components of the University, and the IBM competition could not be more timely," John A. Brighton, executive vice president and provost, said.

IBM's Total Quality Management University Competition awards of \$1 million in cash, \$3 million in IBM equipment or a combination of both over five years will help Penn State and eight other colleges and universities integrate quality management principles into their curricula and operations. Selected from among more than 200 applicants, award recipients are offered partnerships with IBM facilities and will share their knowledge with other academic institutions.

"Quality management and continuous improvement are the keys to competitiveness for American business and American education," says J.D. Hammond, dean of the Smectal College of Business Administration and principal investigator and project director. "This grant will signify

See "TQM" on Page 3

### Faculty Mentoring Award established

The Graduate School has announced the establishment of the Howard B. Palmer Faculty Mentoring Award to honor and recognize outstanding achievement by a faculty member who effectively guides and nurtures the collegial and professional development of junior faculty. Dr. Palmer was senior associate dean of the Graduate School of the University from 1985 until his retirement in 1991.

Nominations may be submitted by faculty, staff and administrators and must be received by Jan. 27, 1993. A committee appointed by the dean of the Graduate School with the assistance of the senior faculty mentor in the Office for Minority Faculty Development will select the recipient who will receive an allocation of \$500 and recognition at the Awards Convocation in March.

To be eligible for nomination a faculty member must meet the following criteria:

- Be a full-time University faculty member with five years of active service at Penn State.
- Exhibit exemplary achievement in the effective mentoring of junior faculty members.

Evidence of these criteria should be presented through a completed nomination form and statement of support, which clearly identify the outstanding qualities of the nominee. The state

See "Palmer" on Page 3

## Schuykill Campus Trustee to speak at women's conference

Marian U. Coppersmith Fredman, president of the Board of Trustees, will present the keynote speech at the 1992 Schuykill County Women's Conference, Saturday, Oct. 24, at the Penn State Schuykill Campus.

In addition to her keynote address, this year's conference will feature more than 45 workshop sessions. Several specialized workshops have been designed specifically for high school students, who will be admitted free to the conference.

A highlight will be "Stories with Hart and Grace." Renown storytellers Gerry Hart and Leanne Grace have pieced together stories of

strong and beautiful women who make up a "sampler" of life.

"As part of the conference, participants also will have the opportunity to honor individual women whom they admire by writing their names and a few words about them on "The Women's Wall."

The conference is funded through an Equal Opportunity grant provided by Penn State, the Schuykill County Board of Commissioners, and private gifts. For additional information, or to register, contact Office of University Relations at the Penn State Schuykill Campus (717) 385-6260.

## Feminist Scholars Lecture Series continues Oct. 22 & Nov. 18

The second speaker in the Women's Studies Program's Feminist Scholars Lecture Series is Marjorie DeVault, assistant professor of sociology at Syracuse University, who will discuss "Women's Knowledge, Women's Profession: Divisions of Authority in Food and Nutrition Work," at 8 p.m. Thursday, Oct. 22, in 101 Kern at University Park.

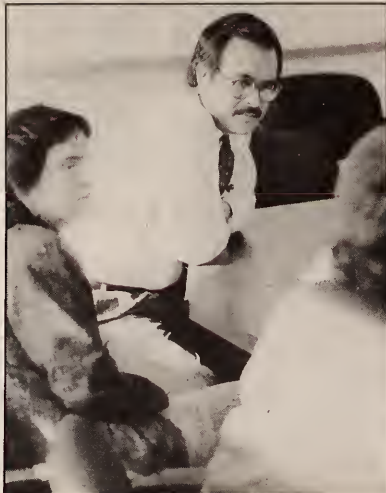
Dr. DeVault is author of *Feeding the Family: The Social Organization of Caring as Gendered Work*. Her research centers on the sociology of gender, class and family life.

Michelle Harrison, assistant professor of psychiatry at University of Pittsburgh School of Medicine, will speak on "Women's Health As

A Specialty: A Deceptive Solution," at 8 p.m. Wednesday, Nov. 18, in HUB Assembly Hall.

Her research interests include medical ethics, new reproductive technologies, and a wide range of women's health issues. She is author of *A Woman in Residence*, and *Self-Help for Premenstrual Syndrome*. In addition, Dr. Harrison conducts a private practice in individual psychotherapy, pharmacotherapy and family therapy.

The Feminist Scholars Lecture Series, in its sixth year, selects lectures for demonstrated scholarship and expertise in public speaking within their respective fields.



Penn State alumnus and Bureau of Indian Affairs Director John Tippecanoe, speaks with American Indian/Alaskan Native graduate students. Dr. Tippecanoe was one of more than a dozen American Indian/Alaskan Native alumni who participated in a two-day symposium Oct. 2 and 3, titled *Preservation of Culture through Education*. The event was sponsored by the Native American Indian Student Association, the College of Education's Office of Minority Programs and the Equal Opportunity Planning Committee.

Photo: Howard Nueberger

### DIVERSITY OPPORTUNITIES CALENDAR

#### Thursday, Oct. 8

Center for Women Students, 7 p.m., HUB Assembly Room Sexual Assault Awareness/Prevention Week film and discussion presentation titled, "After the Montreal Massacre," led by Sabrina C. Chapman, Center for Women Students director.

Paul Robeson Cultural Center, 7:30 p.m., Paul Robeson Cultural Center. Black Arts Festival panel discussion titled, "The State of African-American Culture: 1992 and Beyond," by Grace Hampton, vice provost and professor of art. Myrle Munchas-Bullock, African dance instructor. Julian Thayer, assistant professor of psychology and jazz musician and Oliver LaGrone, an internationally renowned sculptor and poet.

#### Sunday, Oct. 11

Paul Robeson Cultural Center, 1 to 4 p.m., Paul Robeson Cultural Center. Black Arts Festival dinner titled, "A Taste of Blackness," will feature African, Caribbean and American foods.

#### Monday, Oct. 12

Paul Robeson Cultural Center, 7:30 p.m., Paul Robeson Cultural Center. Black Arts Festival play titled, "Rape: What Every Black Woman Wants." Admission is free.

#### Tuesday, Oct. 13

Paul Robeson Cultural Center, 7:30

p.m., Paul Robeson Cultural Center. Black Arts Festival film presentation titled, "Daughters of the Dust." Admission is free.

#### Wednesday, Oct. 14

Center for Women Students, noon to 1 p.m., 120 Boucke Building. Brown bag lunch film/discussion presentation titled, "Free to Be... You and Me."

Paul Robeson Cultural Center, 7 p.m., Paul Robeson Cultural Center. Black Arts Festival discussion titled, "Job Search Strategies for the 1990s."

Governor's Advisory Commission on Latino Affairs, 8:30 a.m. to 5:30 p.m., Holiday Inn—Harrisburg West. Harrisburg. The two-day "Second Annual Conference on Latinos in Pennsylvania" will focus on college recruitment and retention of Latinos/Hispanics as well as health, business and cultural issues.

#### Saturday, Oct. 24

Office of Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "External Funding and Proposal Development" is the second in a series of faculty development workshops. Babo Briedis, College of Liberal Arts coordinator of grants and contracts, will be the speaker. To make reservations, contact Leah Witzig at 863-1663 by Tuesday, Oct. 20. All junior faculty are welcome to participate.

## Internships available in international education

International Programs has announced the availability of student internships in international education.

The 1993 International Development and Education Internships give students "hands-on" experience in international development. The majority of intern sites, located in and around Washington, D.C., are agencies involved in international development, nutrition, health and educational activities.

The Midwest Universities Consortium for International Activities provides travel and living allowance for the 12-week (June-Sept) summer internship; fall internships are available as well. Penn State joined MUCIA

— a consortium of nine research institutions of higher learning — this year.

To be eligible, a student must be a U.S. citizen who has completed the third or junior year of study no later than June 1993. Enrolled graduate students also are eligible. Students in all curricula may apply.

The deadline for applications is Nov. 1. Applications are available at the Office of International Programs in 222 Boucke Building at University Park.

For more information, contact Penn State's MUCIA Liaison Officer Tannaz Rahman at (814) 865-7681.

## Impact of Thomas hearings to air on WPSX-TV

On the one-year anniversary of the Clarence Thomas confirmation hearings—culminating in the historic confrontation over Anita Hill's sexual harassment charges — *Frontline* opens its 11th broadcast season with an examination of the impact of the Thomas hearings on Black Americans.

"Clarence Thomas and Anita Hill: Public Hearing, Private Pain," airing at 8 p.m. Wednesday, Oct. 14, on WPSX-TV, Channel 3, explores how Judge Thomas's bitter confirmation battle reached deep into the psyche of Black America, starkly exposing both the divisions and dilemmas confronting Black Americans and the racial psychology underlying whites' perceptions of them.

"From the beginning, Clarence Thomas' Supreme Court nomination was supposed to have been a 'race free' issue," says *Frontline* producer Ofra Bikel. "Thomas himself said his nomination was not about race. When Anita Hill's charges surfaced, it was viewed as a story about the rift between the sexes — a clash between a man and a woman who were well-educated, successful professionals.

"Again, race did not enter the coverage or analysis. Only afterwards, in my conversations with Black Americans, did I come to realize that the dynamics of race — being a Black American — were inescapably at the heart of the story."



## Two College of Education staffers to participate in conference

Two College of Education staff members will participate in the Governor's Advisory Commission on Latino Affairs' Second Annual Latinos in Pennsylvania Conference Oct. 14 and 15 in Harrisburg.

Volanda Ramos, instructor in education, will facilitate a panel discussion about the "determinants of persistence" in higher education for Hispanics

and other students of color, and the role of college for diverse student population.

Maria Dominguez, Reading-Berks Penn State Educational Partnership Program director, will make a presentation on the effectiveness of partnership programs between colleges and universities and local school districts on recruitment and retention of Latinos/Hispanics and other students of color.

Established in 1989 by Governor Robert Casey, the Governor's Advisory Commission on Latino Affairs was created to serve as the Commonwealth's advocacy agency for Pennsylvania's Latino citizens. The Annual Latinos in Pennsylvania Conference was developed last year to highlight educational, cultural, health and business issues that affect Latinos/Hispanics.

## TQM

### Continued from Page 1

icantly reshape management education at Penn State, allowing us to bring these crucial concepts to the classroom, as well as putting them in practice administratively.

"The integrated effort of our business administration and engineering colleges promises major benefits in instruction and research and in leading the quality revolution. The support also will benefit the University's quality efforts and we look forward to a smoothly functioning team effort."

Penn State's winning proposal includes establishing closer links with high schools to help students be better prepared for Penn State, integrating TQM across the graduate and undergraduate curriculums in business and engineering and executive education; and improving learning by improving the teaching processes, increasing the use of new technologies in the classroom and establishing a TQM laboratory for engineering.

In addition, the award will help establish a TQM Research Center in The Smelk College of Business Administration and support research in the College of Engineering. It also will support quality management efforts in the administration and advising processes of these colleges and the operations of central administration.

Co-directors Paul Rigby, professor and associate dean for research in The Smelk College, and Allen L. Soyster, professor and head of the Department of Industrial and Management Systems Engineering, will work closely together on projects to integrate quality management principles into business and engineering programs.

The University recently created a University Council on Continuous Quality Improvement as well as a Continuous Quality Improvement Center, which will provide project support.

So far, the Colleges of Engineering, Business Administration and Science, Continuing Education, and the Offices of Physical Plant, Finance and Human Resources already have begun to integrate quality management efforts into their curriculums or services.

Other institutions that received IBM awards are: Clark Atlanta University and Southern College of Technology in a joint proposal; Georgia Institute of Technology, Oregon State University, Rochester Institute of Technology; University of Houston, Clear Lake; University of Maryland, College Park; and the University of Wisconsin at Madison.

## French philosopher to present seminars

Distinguished French philosopher Jules Vuillemin will present a series of seminars and lectures on Aristotle's Poetics Oct. 13-22 at University Park.

He will present a public lecture, "Aristotle's Poetics and Shakespeare's Poetry," at 4 p.m. Thursday, Oct. 15, in Room 451 Willard Building. A reception will be held from 6 to 8 p.m. at the Nittany Lion Inn.

Also scheduled are: Oct. 13 and 14, 4 p.m., 251 Willard, Faculty-Graduate Seminars, "The Poetics Extended to the Tragedy of Aeschylus," Oct. 19, noon, 101 Kern, Comparative Literature Luncheon, "An Aristotelian Analogy to Understand the Principle of Comedy," 4 p.m., University Scholars Lecture, Oct. 20, 21, 22, 4 p.m. 251 Willard, Faculty-

Graduate Seminars, "The Poetics Extended to the Comedy of Aristophanes and Moliere."

Jules Vuillemin was educated at Paris at the Lycee Louis-le-Grand and the Ecole normale superieure. His first book was published in 1948, and since that time he has published 16 books on philosophy. A member of the Centre national de la recherche scientifique and then professor at the University of Clermont-Ferrand from 1950 to 1962, he was elected to the College de France in 1962.

His work is characterized by a combination of incisive critical intelligence with a profound knowledge of the history of philosophy.

All events are open to the University community and other interested persons.

## FACULTY / STAFF ALERTS

### Women's health issues

The following programs on women's health issues are being offered by the Office of Human Resources. Registration forms may be found in the faculty/staff health promotion "Healthy Happenings" brochure and the Human Resource Development Center course schedule. For additional information, call the Faculty/Staff Health Promotion Office at 865-3085.

- **Breast Cancer Prevention: MammaCare and More.** Includes demonstration and practice of the MammaCare Method of breast self-examination; facts about breast cancer; its risk factors; methods of preventing and identifying the disease, and information on breast cancer treatments. Cost: None; Sec. 1: Oct. 22, 12:30 to 2 p.m., 323 HUB; Sec. 2: Nov. 2, 12:30 to 2 p.m., 320 Classroom Bldg.

- **Stress Reduction for Women.** The Balancing Act. Aimed at helping working women achieve a satisfying balance between work, home, friends and family. Cost: \$35; Sec. 1: Nov. 5, 1:15 to 4 p.m., 319 Rider Building.

- **Women's Health Issues: Optimal Wellness.** Designed to address special health issues of women in the areas of nutrition, exercise, appropriate health evaluations, and changes in body systems that occur with aging. Cost: \$35; Sec. 1: Oct. 20, 8:30 to 11:45 a.m., 319 Rider Building.

- **Freedom From Smoking for You and Your Baby.** Female smokers who are pregnant or planning to have a baby may know that this is an important time to stop smoking. This self-help videotape program, developed by the American Lung Association and the Harvard Community Health Plan, provides a 10-day self-help approach.

### Fall textbook returns

On Oct. 15, the Penn State Bookstore on Campus will begin processing textbooks to return to the publishers. Faculty members are encouraged to announce to their classes that students should purchase any remaining textbooks that they need for Fall Semester before this date. Faculty may notify the Textbook Department at 863-3277, 863-3282 or 863-3291 if they wish to have the bookstore hold titles for classes past the Oct. 15 deadline.

Also faculty members are reminded that Oct. 15 is the deadline for Spring Semester textbook requests. Please send all information on required materials for spring classes to the Penn State Bookstore via campus mail by this date. The staff at the bookstore appreciates the cooperation of faculty and staff who respond to the above deadline.

## Authors to visit Bookstore

The Penn State Bookstore on Campus will welcome State College native Michael Chesworth from noon to 2 p.m. Oct. 9 to sign copies of his latest book, *Rainy Day Dream* (1992, Farrar, Straus & Giroux), his first full-color picture book.

Also featured will be local author Jack Weaver, who will sign and discuss his new book, *Phantoms of the Woods*.

Mr. Chesworth, a book-packet designer and illustrator, studied civil engineering at Penn State. He later worked as a medical illustrator at a hospital in Salt Lake City and then transferred to the Parsons School of Design in New York, where he received his BFA in illustration.

"I conceived *Rainy Day Dream* as a visual piece," he said. "At some point in thinking about it, I tried to add words, assuming it was a must. As I worked on it, the mood and imagery seemed to 'want' to be wordless. Telling the story only with pictures seemed to fit."

Mr. Weaver's book is an account of his experiences as a Pennsylvania game protector over the past 24 years.

The autobiographical account describes his experiences as a young trainee for the Pennsylvania Game Commission and his field experiences in Berks County, along Pennsylvania's northern tier in Tioga County, through limestone caves in search of endangered species, and in Centre County tracking down deer poachers.

## Palmer

### Continued from Page 1

ment should not exceed two single-spaced pages. Additional supporting materials may include a biographical sketch or curriculum vita, no more than three letters of support and other information pertinent to the nomination.

Please submit three copies of all materials to Deborah Atwater, c/o 114 Kern Graduate Building. Nomination forms are available upon request from 114 Kern Building. For more information, call Dr. Atwater at 863-1663.

### The arts on Channel 3

Some of America's top creative artists, including Cy Coleman, Annie Leibovitz, Peter Martins, Terrence McNally, Twyla Tharp, and Wendy Wasserstein, pool their extraordinary talents to create *Great Performances*' 20th Anniversary Special, "Celebrating Creativity, American Style," an all-star birthday salute to television's longest-running performing arts series. The program airs at 9 p.m. Friday, Oct. 9, on WPSX-TV.

The special showcases the broad range of performance arts that the series encompasses, including "The Last Mile," a poignant backstage moment in an opera diva's life. Gerald Gutierrez directs "Kiss, Kiss Dahlings," a poignant backstage moment in an opera diva's life. Gerald Gutierrez directs "Kiss, Kiss Dahlings," a poignant backstage moment in an opera diva's life. Gerald Gutierrez directs "Kiss, Kiss Dahlings," a poignant backstage moment in an opera diva's life.

Cynthia Nixon stars as three generations of actresses. From the dance world, Ernest Dickerson directs "Hip Hop — You Don't Stop" — a straight ahead, pulsating street dance by The Rhythm Technicians and Rock Steady Crew. New York City Ballet's Kira Nikols and Robert LaFosse perform to music by Fred Astaire and Oscar Peterson in "Not at My Girl," choreographed by Peter Martins and directed by Matthew Diamond.

Completing the stellar evening are a provocative study in motion directed by renowned photographer Annie Leibovitz, starring Mikhail Baryshnikov and Twyla Tharp, a mini-musical from master Broadway composer Cy Coleman, directed by Patricia Birch, and a special tribute to a *Great Performances* favorite, the late Leonard Bernstein.

### Piano recital

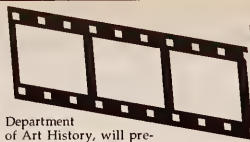
Lynn Tschudy, member of the piano faculty at the University of Akron, will perform a recital at 8 p.m. Saturday, Oct. 10, in the School of Music Recital Hall at University Park.

The program will feature works by Beethoven, Chopin, Debussy and Rachmaninoff.

Dr. Tschudy completed the doctor of music degree at Indiana University where she also received bachelor's and master's degrees as well as the performer's certificate in piano. She has received awards from the Indiana Music Teachers' Association, the National Federation of Music Clubs and the Young People's Symphony Concert Association.

### Art history lecture

Heinz K. Henisch, research professor of the history of photography in the



Department of Art History, will present "The Overpainted Photograph" at 8 p.m. Tuesday, Oct. 13, in Room 112 Walker Building at University Park.

The lecture is the third in the series "Scholarly Speculations: Recent Research by the Faculty of the Department of Art History."

A fellow of the Royal Photographic Society of Great Britain, as well as of the American Photographic Historical Society, Dr. Henisch served as founder and editor of *History of Photography*, an international research quarterly widely acknowledged as the most distinguished scholarly publication in the field.

Dr. Henisch also has authored nine books and is currently editor of *Materials Research Bulletin*.

Holding a parallel appointment of professor of physics, he came to Penn State in 1963 and was responsible for the establishment of photo-historical studies.

Dr. Henisch's lecture will focus on the practice of overpainting photographs, which dates to the earliest days of photography. It will examine the varied reasons for the practice, its social and artistic applications, the methods used and the aesthetic consequences of overpainting.

**Director to visit**  
W. Robert Conner, director of the National Humanities Center in North Carolina, will visit University Park Oct. 12 and 14 to present two lectures and to meet individually with faculty interested in pursuing research projects in the humanities.

He will introduce the National Humanities Center on Tuesday, Oct. 13, and discuss his vision for its mission in a lecture "Humanistic Scholarship for Tomorrow: National Humanities Center." On Wednesday, Oct. 14, he will present his own research in classics on the transmission of memory in the festivals of ancient Athens in a lecture, "Festivals of Memory."

Both lectures will be presented at 8 p.m. in the Eisenhower Auditorium and will be followed by a reception. On Wednesday, Oct. 14, from 9:30 to 11:30 a.m. and from 2:30 to 4:30 p.m., Dr. Conner will be at the Institute for the Arts and Humanistic Studies to meet individ-

ually with faculty members to answer questions about the National Humanities Center and its resources for the support of research. Faculty interested in scheduling a 20-minute appointment are requested to contact the Institute at (814) 863-0254. Dr. Conner is author of four books and numerous scholarly articles on the classics. Prior to becoming director of the National Humanities Center, he was professor of classics at Princeton.

### Odyssey on WPSU

"Circus Bomb," the next episode of *Odyssey Through Literature* on WPSU, focuses on the novel *Petersburg* by the 20th-century Russian novelist Andre Bely.

Leonard Rubinstein's guest is John Malmstad, co-translator of *Petersburg* and chair of the department of Slavic Languages and Literatures at Harvard University.

"One of the central issues with which Bely was fighting, was groping for in this novel," says Dr. Malmstad, "was the position of Russia as an entity poised between West and East. He's talking of two different modes of thought, as well as whole problems in what Bely would call consciousness."

*Odyssey Through Literature* is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Scopes on WPSU

Deborah Medeiros, associate professor of industrial and management systems engineering, will be the featured guest on the Oct. 15 segment of the WPSU radio program, "Scopes: Women and Minorities in the Sciences at Penn State."

The half-hour program will air at 12:30 p.m. following a companion National Public Radio program titled, "Science Lives: Women and Minorities in the Sciences," which will begin at noon. The topic of the companion National Public Radio program on Oct. 15 is "Out of This World."

Dr. Medeiros's research involves the design of coordinate measuring devices for inspecting parts during manufacturing. An advocate of mentoring, she recently received an NSF Faculty Award for Women Scientists and Engineers, which will allow her to bring promising graduate and undergraduate students into her lab to study manufacturing design.

Londa Schiebinger, associate professor of history and host of the series, will interview Dr. Medeiros.

"Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WFSU.

### Jazz orchestra

The Lincoln Center Jazz Orchestra will perform at 8 p.m. Friday, Oct. 16, in Eisenhower Auditorium at University Park.

The orchestra will pay tribute to the legendary Duke Ellington performing such selections as "Pretty Woman," "Harlem," "Nothing but the Blues," "Total Jazz," and "Perfume Suite." Under the baton of

conductor David Berger, the orchestra features Wynton Marsalis, Lew Solof, Roland Hanna and a host of internationally recognized ensemble musicians. Their concert is part of a year-round program of concerts and other cultural events adopted by the Lincoln Center last January. This is its first U.S. tour.

For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

### Wren Galleries

Exhibits of baskets by Laura Hendricks



A Laura Hendricks work of art on exhibit in Kern.

and drawings by Evan Weaver are on display through Oct. 30 in the Kern Building Galleries at University Park.

Ms. Hendricks, a self-taught basket weaver, describes her baskets as "useful but decorative." Her exhibit consists of many different designs of rattan baskets with oak handles.

Mr. Weaver, a self-taught artist who draws in his spare time, is inspired by nature and often uses people and animals in his work. A non-representation artist, he draws in simple, yet colorful, complex style.

### 'Machinal'

The University Resident Theatre Company opens its 1992-93 season with a production of "Machinal" by Sophie Treadwell. The show opens at 8 p.m. Friday, Oct. 16, and runs through Saturday, Oct. 24, at the Pavilion Theatre at University Park.

Although initially received as a crime drama, today "Machinal" is considered one of the great expressionist works of American theater. Following the case of Ruth Snyder, the first woman to die in the electric chair, this production emphasizes the protagonist's loneliness and struggle to preserve her individuality in a dehumanizing society.

Evening performances began at 8 p.m. The matinee performance is at 2 p.m. Saturday, Oct. 24. Student preferences are at 8 p.m. Wednesday, Oct. 14, and Thursday, Oct. 15.

To reserve tickets, call the Eisenhower

Auditorium Ticket Center at (814) 863-0255.



Lynn Tschudy



# University Park Calendar

## Oct. 8 — Oct. 18

### SPECIAL EVENTS

**Thursday, Oct. 8**

Bach's Lunch, 12:10 p.m., Eisenhower Chapel.  
HI-Lo's from the Penn State Game Club.  
Center for the Performing Arts, 8 p.m., Schwab Aud., Reno.

**Friday, Oct. 9**

Geo. Coffee Hour, 3:55 p.m., 319 Walker.  
Refreshments, 3:30 p.m. Patricia Johnson on "Women and Development in Highland New Guinea."

Shaver's Creek, 7-9 p.m., Owl Prowl. Call 863-2000.

**Saturday, Oct. 10**

Shaver's Creek, 10-11:30 a.m., Thirteen Moons On The Turtle's Back. Call 863-2000.

Piano Recital, 8 p.m., School of Music Recital Hall. Lynn Tschudy, University of Akron.

**Sunday, Oct. 11**

Shaver's Creek, 1-5 p.m., Mountain Foliage Hike. Call 863-2000.

**Monday, Oct. 12**

Comp. Lit. Luncheon, 12:15 p.m., 101 Kem. Mary Preuss, McKeesport Campus, on "Myth and Literature in Central America." Refreshments, provided.

School of Music Lecture Series, 8 p.m., Recital Hall. Phyllis Curtin, Boston University's Opera Institute, on "You Only Live Twice."

**Tuesday, Oct. 13**

Lecture, 8 p.m., 112 Walker. Heinz Henisch on "The Overprinted Photograph."

Public Lecture, 8 p.m., Green Room, Eisenhower Aud. W. Robert Connor, National Humanities Center, N.C., on "Humanistic Scholarship for Tomorrow: National Humanities Center." Also Oct. 14, 8 p.m., Green Room, Eisenhower Aud. Dr. Connor on "Festivals of Memory on the Transmission of Memory in the Festivals of Ancient Athens."

**Wednesday, Oct. 14**

Center for Women Studies Brown Bag Lunch Series, noon-1 p.m., CWS Resource Room, 120 Bouke. Film/discussion, "Free to Be... You and Me."

**Thursday, Oct. 15**

Professional Women at Penn State. Brown-Bag Lunch meeting, 11:45 a.m., Robeson Cultural Center Aud. President Thomas on "State of the University."

Bach's Lunch, 12:10 p.m., Eisenhower Aud. Penn State Chorus Chamber Ensemble.

Public Lecture, 4 p.m., 101 Kem. "Aristotle's Poetics and Shakespeare's Poetry," Reception, 6-8 p.m., Nittany Lion Inn.

Ruth Pike Lecture Series, 4 p.m., 108 Wark. Margaret Clagett-Dame, Univ. of Wisconsin-Madison, on "Vitamin A and Natural Development."

Lecture, 7:30 p.m., 258 Willard. Loren Graham, MIT, on "The Ghost of the Executed Engineers: The Danger of Restricting Communication."

**Friday, Oct. 16**

1992 World Food Day, teleconference, noon-3 p.m., Inrl. Lounge, 222 Bouke. "Nutrition: Linking Food, Health and Development."

Bag Lunch Discussion, noon-1 p.m., Donovan Room, 204 HUB. "Open Forum on Learning Disabilities."

Homecoming Parade.  
Shaver's Creek, 7-9:30 p.m., Moonlit Hayride. Call 863-2000.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. The Music of Duke Ellington, Lincoln Center Jazz Orchestra.

URTC, 8 p.m., Pavilion Theatre. "Machinal" through October 24.

**Saturday, Oct. 17**

Shaver's Creek, 10-11:30 a.m., Turtle Time. Call 863-2000.

Homecoming, Football, Boston College.

**Sunday, Oct. 18**

Shaver's Creek, 1:30-4:30 p.m., View From the Graveside. Call 863-2000.  
Center for the Performing Arts, 3 p.m., Eisenhower Aud. Crofut and Brubeck Ensemble.

### CONFERENCES

Oct. 8. Polymer Tutorial Workshop II; 15 attendees; Atherton Hilton; J. Runt, chair; E. Loop, coordinator.

Oct. 8. PA Bar—Practical Hearsay; 5 attendees; Local Hotels/Motels; S. Hendrick, chair; J. Milson, coordinator.

Oct. 8-9. Conference on Special Education; 140 attendees; Nittany Lion Inn/Days Inn/Holiday Inn; G. Scala, chair; C. Herd, coordinator.

Oct. 11-16. Blue Cross/Blue Shield; 30 attendees; Nittany Lion Inn; J. Mencher, chair.

Oct. 11-16. Executive Management Program #20, Week III; 15 attendees; Nittany Lion Inn; A. Clark, chair; J. Mencher, coordinator.

Oct. 12-15. 7th Technical Conference for the American Society of Composites; 300 attendees; Nittany Lion Inn; C. Bakis, chair; J. Milson, coordinator.

Oct. 12-16. Short Course on Vibration Control; 30 attendees; Nittany Lion Inn; E. Ungar, chair; W. Stamer, coordinator.

Oct. 13-14. Model Mine Training; 12 attendees; Nittany Lion Inn; C. Bise, chair; R. Maclean, coordinator.

Oct. 13-15. Pasteurizer Workshop; 45 attendees; Local Hotels/Motels; S. Barnard, chair; G. Peterson, coordinator.

Oct. 13-16. Fermentation Methods and Scale-Up Strategies; 15 attendees; Days Inn; K. Rashid, chair; J. Milson, coordinator.

Oct. 18-23. Developing Managerial Effectiveness; 35 attendees; Nittany Lion Inn; J. Rose, chair; J. Mencher, coordinator.

Oct. 18-30. Conrail Management Program at Penn State; 35 attendees; Nittany Lion Inn; J. Mencher, chair.

### SEMINARS

**Thursday, Oct. 8**

Gerontology Center Colloquia, 4.5 p.m., 106 Mitchell. Tony Daughl on "Ethical Issues," "Homosexuality and Old Age."

Computer Science, 4 p.m., 325 Whitmore Duncan A. Buell, Supercomputing Research Center, on "Splash 2."

Industrial and Management Systems Eng., 4:30 p.m., 314 Hammond. Young Wood Park and Sagar Kamarnthi, Penn State Graduate Studies. Refreshments, 4:15 p.m.

**Friday, Oct. 9**

Tropical Studies Symposium, Biodiversity, Conservation and Development. Morning session, Keller Aud.; afternoon session Kem Aud. Daniel Janzen, Univ. of Pa. and Michael Balick, U.S. Botanical Garden and six Penn State faculty. For further info., call Hector Flores at 863-2055.

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. David Nelson, Honda of America Manufacturing Inc., on "Procurement Practices and Supplier Relationships at Honda of America."  
Agronomy, 3:35-4:25 p.m., 101 Ag Sciences

and Industries. Gunther Stotzky, Dept. of Biology, New York Univ., on "Gene Transfer Among and Ecological Effects of Genetically Modified Bacteria in Soil."

**Monday, Oct. 12**

Seminar, 3:30-5 p.m., 317 E. Henderson. Professors Gileston, Kerstetter, and Guadagnolo on "The Impacts of Incentives and Three Forms of Postage on Response Rates in Mail Surveys." Also Professors Gileston and Thomson on "An Exploratory Analysis of the Impact of Attending College on Leisure Behavior."

**Tuesday, Oct. 13**

Plant Pathology, 1-2:15 p.m., 112 Buckhout.



A porcelain sculpture from the Qing Dynasty will be on display during October in the Calder Way and Allen Street office of Peoples National Bank in State College, as part of "Art to Go."

Winard Hock on "Benlate, the One Billion Dollar Mistake."

Merck Centennial Lecture Series, 3 p.m., Paul Robeson Cultural Center. Andreas Avroos, Lehigh Inst. for Physicochemical Hydrodynamics, on "Flow of a Sediment Layer on an Inclined Plate." Refreshments, 2:45 p.m.

Chemistry Colloquium, 3:30 p.m., 55 Osmond. Stephen Thompson, Colorado State Univ., on "Small Scale Chemistry: Integrating Theory and Practice." Reception with speaker, 3:30-30 p.m.

Graduate Program in Nutrition Colloquium, 4 p.m., S-209 Henderson Building South. Judith Heald on "The Expanded Food and Nutrition Education Program: What is the Carrot?"

Faculty/Guest Seminar, 4 p.m., 251 Willard. "The Poetics Extended to the Tragedy of Aeschylus." Also Oct. 14

Operations Research Colloquium, 4:35 p.m., 207 Sackett.

M. Jaya Chandra. Financial Planning Seminar Series, 6:30-7:30 p.m., 329 Bouke. Jim Fay, financial planner, and Ed Messersmith, financial consultant.

**Wednesday, Oct. 14**

Col. of Health and Human Dev. 1992 Alumni Fellow, James Moore, seminar and reception, 3:5-30 p.m., Living Center.

Eng. Science and Mechanics Emch, 3:35 p.m., 314 Hammond. Daniel C. Davis on "Changing Faces In the Science and Engineering Workplace."

**Thursday, Oct. 15**

Ceramic Science, 11 a.m., 301 Steidle. Pirouz Pirouz, Case Western Reserve Univ., on "Interfacial Shear Strength and the Structure of SiC Fibers."

Master Teachers Seminar Series, 3:30-5 p.m., 118 Ag Sciences and Industries.

James M. Rameau on "Assessing Teaching and Learning in Undergraduate Education." Register, 863-2599.

Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. M. Powell Lawton, Phil. Geriatrics Center, on "Ethical Issues, The Valuation of Life."

Industrial and Management Systems Eng., 4:30 p.m., 314 Hammond. Dave Farson, ARL Robotics Research. Refreshments, 4:15 p.m.

**Friday, Oct. 16**

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Robert Cunningham on "The Electronic Properties of Thermally Stable Ioshared Ouzicrystalline Phases."

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Lars Stole, Univ. of Chicago, on "Oligopoly and Product Quality."

Agronomy, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Archie McDowell on "Overview of Environmental Research at Penn State."

### EXHIBITS

Chambers Gallery

"Photography Exchange,"

works by undergraduate students from Univ. of Florida, through Oct. 9.

Hezel Union Building

**Normal and Browning Art Galleries:**

"Climbing Jacob's Ladder: The Rise of Black Churches in Eastern American Cities, 1740-1877,"—an exhibition that examines the beginnings of African-American churches, through Oct. 25.

**Kern Gallery:**

Laura Hendricks, baskets, through Oct. 30. Evan Weaver, drawings, through Oct. 30.

**Pattee Library**

**Mail Lobby:**  
"Trashing the Libraries: The Preservation Problem," through Nov. 9.

**East Corridor Gallery:**  
Art works by Ann Vanderveide, through Oct. 31.

**Rare Books Room:**  
Pochor: Color Illustration by Stencil. Zoller Gallery

"Time Pieces," through Nov. 1.  
School of Visual Arts Faculty Exhibition, Nov. 9-Dec. 10.

Reflects on international perspective

## Ernst and Young professor of accounting named

James C. McKeown, a leading expert in financial accounting, has been named the Ernst & Young professor of accounting. A member of The Smeal College of Business Administration faculty since 1989, he earlier was named distinguished professor of accounting.

The endowed position to which he has been appointed, the largest in the Department of Accounting, was created through the support of the "Big Six" accounting firm, Ernst & Young, and contributions of Penn State alumni employed there. Instrumental among them were Richard W. Dugan of Bethesda, Md., and Wm. Edward Hastings of Longwood, Fla.

Formerly the director of the Office of Accounting Research at the University of Illinois—Urbana-Champaign, Dr. McKeown has helped advance financial accounting theory, working particularly in the areas of current value accounting and pensions. While at Illinois, he also played a vital role in the research of graduate students and was chair of 28 doctoral dissertation committees.

At Penn State, Dr. McKeown continues to exert a strong influence on the research of graduate students and works closely with junior members of the accounting faculty. He is highly active in the Penn State community and is a member of the University Faculty Senate and Graduate Council.

He earned his bachelor's degree in mathematics from Michigan State University in 1966 and his doctoral degree in accounting from the same institution three years later. He joined the University of Illinois faculty in 1968, serving there until he came to Penn State. While at Illinois, he also held visiting faculty positions at the University of California-Berkeley and Purdue University.

Dr. McKeown is the author or coauthor of more than 50 articles and the author or editor of four books, including instructional materials for the first computer-assisted course in elementary accounting.



James C. McKeown

### Penn State Erie, The Behrend College

## Alumni Fellowship bestowed on CEO



Ray L. McGarvey

University of Pennsylvania's Wharton School of Business.

Ray L. McGarvey, founder and chief executive officer of Country Fair, Inc., has been named the 1992 Alumni Fellow at Penn State Erie, The Behrend College.

The permanent, life-long designation will be bestowed Oct. 27 by President Thomas. Dr. McGarvey will meet with college classes in all disciplines Oct. 27 and 28.

Dr. McGarvey attended Penn State-Behrend for two years before completing his bachelor's degree at the

University of Illinois. He earned a master's and doctoral degree in accounting from the University of Illinois.

Country Fair, Inc., owns and operates 70 convenience stores in northwestern Pennsylvania. Until its sale in 1991, Dr. McGarvey was chief executive officer of Meadow Brook Dairy Co., a supermarket dairy product distributor founded by his father and uncle.

A past president of the Penn State-Behrend Council of Fellows, Dr. McGarvey holds or has held leadership positions within the French Creek Council of the Boy Scouts of America, St. Vincent Health System, United Way of Erie County, City Mission/New Life Center, Harbor Creek School Board, Erie Community Foundation, and the Cleveland Chapter of the Young Presidents Organization.

He is a recipient of the Alexis de Tocqueville Award given annually by the United Way of Erie County to recognize outstanding volunteerism.

## Authors to lecture in October at University Park

Loren Graham, author of *Science and the Soviet Social Order*, will begin a Thursday evening lecture series on modern communications, technology, and society at 7:30 p.m. Oct. 15 in 258 Willard Building at University Park.

The series, "Communications Technology: Theory, Practice and Challenges," will explore modern communications systems, how they have transformed modern politics and culture, and their influences on politics and culture in the 21st century, according to organizer William Williams, William L. Weiss Fellow and visiting professor of science, technology, and society.

"The Ghost of the Executed Engineers: The Danger of Restricting Communication," is the topic of the lecture. Dr. Graham, professor of history of science at Massachusetts Institute of Technology, also is the author of *Science, Philosophy, and Human Behavior in the Soviet Union*.

Wolfgang Schirmacher, professor at the University of Hamburg, Germany and at the New School Media Studies Program in New York, will speak on "Artificial Life: Innovations in Communication" at 7:30 p.m. Oct. 29 in 112 Walker building. Dr. Schirmacher is the author of *Technik und Geistesheit und Ereignis Technik*.

John Truxal, distinguished professor at the State University of New York, Long Island, will speak on "Electronic Messages: For Good or Evil?" at 7:30 p.m. Nov. 19 in 112 Walker building. Dr. Truxal, who wrote *The Age of Electronic Messages*, is a well-known engineering educator.

The speakers also will lecture in a course "Communications and Culture—Theory, Practice, Challenges" as part of an SIS class.

The series is sponsored by the Science, Technology, and Science Program based in the College of Engineering.

The building was originally constructed as a 30-bed infirmary in 1929 supported by funds raised by the Polato Growers of Pennsylvania. In 1956, two wings were added to the building, providing much needed space. The expanded facility was named after Joseph Ritenour, in honor of its first director and crusader for more adequate health service space.

Since then, University Health Services has introduced two satellite clinics, a general medicine clinic staffed by nurse and nurse practitioner clinicians in Johnston Hall, and a newer Women's Health Clinic staffed by nurse practitioners in Schulz Hall.

### NEWS IN BRIEF

#### 1992-93 Academic Calendar

The current 1992-93 Academic Calendar has been revised. The new version is white with green lettering. The old version, which was green with black lettering, is now obsolete and should be discarded.

The revised version correctly lists the Memorial Day Holiday for 1993 as May 31, 1993, not May 24, as was originally indicated. Please also note that the date is incorrectly published in the Spring Semester 1993 Schedule of Classes.

#### Mandatory retirement

University policy HR-51, Mandatory Retirement Age and Maximum Employment Age for Executives, High Policy-makers and Tenured Faculty Members, no longer is in effect. Changes in State law no longer permit mandatory retirement for executives, high policymakers and tenured faculty members.

#### Food day teleconference

The Office of International Programs will present the 1992 World Food Day Teleconference, "Nutrition: Linking Food, Health and Development," starting at noon Friday, Oct. 16, in 222 Boucke, the International Student Lounge, at University Park.

In a unique experiment in international development education, the teleconference for the second year will run participating sites throughout the Western Hemisphere by satellite using both English and Spanish languages.

A special expert panel will lead the teleconference discussion. A UNICEF film, designed to show nutrition at the bridge between food and health, follows the panel discussion, which returns in the final hour of the teleconference to take call-in questions by viewers.

The teleconference is free to the public.

#### Electoral College talk

Michael L. Young, assistant professor of politics and public affairs at Penn State Harrisburg, will speak on "Is School out at the Electoral College?" at noon Wednesday, Oct. 21, at the Penn State Downtown Center, 234 N. Third St., Harrisburg.

Dr. Young will discuss the Electoral College in the context of the 1992 presidential election and speculate about the scenarios that might unfold this year.

He also will review the main arguments for and against abolishing the Electoral College and evaluate some proposals made to adapt the college to the modern era.

#### Luncheon series talk

Juris Draguns, professor of psychology, will give a talk on the "Baltic States One Year After Independence: Lofty Dreams, Harsh Reality," in the Slavic Center luncheon series at 12:10 p.m. Wednesday, Oct. 21, in 124 Spang Building at University Park.

The public is invited to attend and bring a brown bag lunch.

## Ritenour Building renamed by Board of Trustees' action

The Ritenour Health Center Building at University Park is now known as the Ritenour Building. The Board of Trustees recently approved a recommendation to rename the building.

The name change was reflective of a change in the philosophy of college health; that is, college health is a service that reaches out all across the University community and is no longer located in one "health center".

The Ritenour Building will continue to house the same services: University Health Services, the Center for Counseling and Psychological Services, and Athletic Medicine, a department of Intercollegiate Athletics.

# Focus on Research

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Intercom  
October 8, 1992

## Zero gravity gets a closer look *Simulated weightlessness offers clues to space exercise*



Brian L. Davis checks on the simulator.

Of all the adverse effects that zero gravity has on the body, accelerated calcium loss may threaten efforts to stay healthy during prolonged space flights the most. However, a weightlessness simulator designed by University researchers hints at methods to minimize this problem for future astronauts.

"Studies on the physiological effects of spaceflight show that exercise is useful in slowing down the rate of bone loss that occurs in zero gravity," noted Brian L. Davis, a former graduate student with the Center for Locomotion Studies, who earned his doctorate in biobehavioral health. "Unfortunately, there have been few, if any, scientific investigations into the most appropriate form for such exercise."

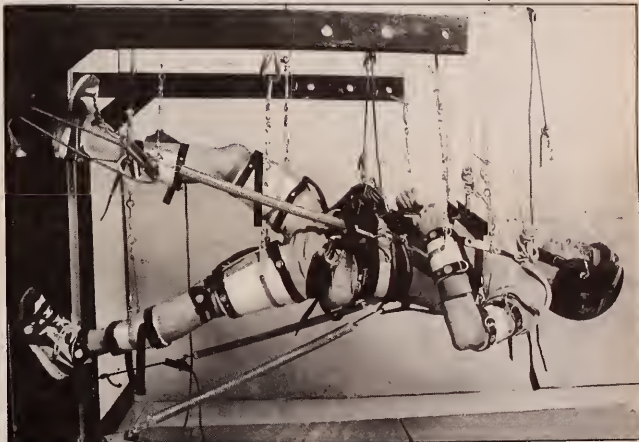
"Our study suggests that the way shuttle astronauts do treadmill exercise in space now probably isn't as beneficial to the musculoskeletal system as it could be."

Dr. Davis and other CELOS researchers conducted a three-year study of space exercise through a National Aeronautics and Space Administration grant to Penn State's College of Health and Human Development.

Team members included H.J. Sommer III, professor of mechanical engineering, and Andris Freivalds, associate professor of industrial engineering, both of the College of Engineering.

The faculty coordinator for the project was Peter R. Cavanagh, professor of locomotion studies and director of CELOS.

"Our challenge involved not only simulating weightlessness in a 1-G, or Earth gravity, setting, but also figuring out how to re-introduce gravity on the simulator," Dr. Cavanagh said. "Without that gravity effect, treadmill exercise in space is impossible to perform."



A volunteer is strapped into the weightlessness simulator designed by Penn State researchers.

Photos: Greg Grieco

In the Penn State Zero Gravity Locomotion Simulator, the subject is suspended horizontally by a series of bungee-like cords that are attached by cuffs at 11 points on the arms, legs, torso, chest, and head. Through a series of pulleys, the cords counteract the force of gravity on the subject's movements as he or she hangs horizontally nearly three feet off the floor.

Proper attachment of the cuffs takes about 90 minutes for each subject. So far, 18 subjects have taken part in experiments with the simulator.

The treadmill portion of the simulator is mounted vertically on the wall "below" the horizontal subject's feet. Comfortable running on the treadmill, whether in its motorized or passive mode, can only be achieved by using a set of springs that tether the subject to the wall.

"These springs re-introduce gravity for the subjects," Dr. Davis said. "In order to maximize the comfort for each subject, the spring force is set at 60 percent of Earth gravity. By way of comparison, the moon's gravity is about one-sixth that of Earth."

While today's shuttle crew members use elastic cords to draw themselves to treadmills, the actual treadmill design does not allow feet to fall the same as on Earth.

"If you look at NASA film of crew members exercising, you can see that they're just running on the balls of their feet without making heel contact," Dr. Cavanagh said. "There is serious reason to doubt that this

kind of movement does much to prevent the bone loss problem."

"Stress on the bones is required for calcium to be deposited, but astronauts probably aren't getting stress at the right rate," Dr. Davis added. "Given that they cannot run with Earth-normal force in zero gravity, they should run faster to achieve beneficial stress rates. This is best accomplished with a motorized treadmill."

Shuttle treadmills are not motorized because vibrations from active running could disturb sensitive in-flight experiments, the researchers note.

"No doubt there are a number of ways to simulate normal gravity exercise forces without a treadmill," Dr. Cavanagh said. "The challenge facing planners of long-term space missions is to provide means for proper exercise that are compatible with other operational constraints."

Meanwhile, the Penn State device will remain an inexpensive alternative to other forms of zero gravity simulation.

NASA continues to experiment on space exercise using airplanes which fly parabolic trajectories to create weightless conditions for astronauts on board. However, the zero gravity effect can only be maintained for about 30 seconds at a time through this method.

— Gary W. Cramer

**APPOINTMENTS**



**Jacklyn S. Rosenfeld**

Penn State Continuing Education has announced the appointment of three directors in the Office of Program Development.

**Jacklyn S. Rosenfeld**, director of the Office of Marketing Communications; **Wayne D. Smutz**, director of the Office of Program Planning; and **James T. Meyer**, director of the Office of Marketing Research.

"Consistent with the Continuing Education Strategic Plan and with the broad feedback and input from the academic colleges and campuses, I am pleased to say that the final pieces

for the program development unit have been put into place with the appointment of three new directors within the Office of Program Development," James H. Ryan, vice president for Continuing Education, said. "This includes the support functions for the colleges and campuses."

Ms. Rosenfeld previously served as director of marketing for Boston University's Metropolitan College. At Penn State Continuing Education, she heads the Marketing Communications office, which handles promotion of Continuing Education programs for Continuing Education clients through consultation and development and production of brochures, advertisements, news releases and telemarketing.

During her 13 years with Boston University, she was responsible for four marketing units — publications production, advertising/public relations, telemarketing and direct mail — and a budget of more than \$1.2 million.

Ms. Rosenfeld earned a B.A. degree in history from the University of Michigan and a master's degree in early childhood education from Manhattanville College, Purchase, N.Y.



**James T. Meyer**

Dr. Smutz, former director of the Office of Continuing Professional Education, has been at Penn State since 1973. In 1991, he was named acting director of the emerging Program Planning and Marketing Research units. His new appointment as director of the Office of Program Planning reflects an expansion of his leadership role in continuing professional education to broader program development.

Dr. Smutz is a Phi Beta Kappa graduate of the University of California, Berkeley, where he earned a B.A. degree in history in 1972. He earned an M.A. in political science in 1978 and a Ph.D. in higher education in 1984 from Penn State.

Dr. Meyer has worked in both the higher education and marketing fields, most recently serving as associate research director of the Strategic Sciences Group, Consumer Behavior Department, at J. Walter Thompson USA in New York City

from 1989 to 1992. He has 15 years of private sector marketing research experience.

Dr. Meyer is a Phi Beta Kappa graduate of Temple University, where he earned a B.A. degree (summa cum laude) in urban studies in 1974. He earned an M.S. and a Ph.D. in geography from Penn State in 1977 and 1984, respectively.



**Mary F. Linda**

The new appointees are:

**Mary F. Linda**, assistant director, received a Ph.D. from the University of California at Berkeley, and is a historian of Asian art. Her area of research is South Asian sculpture and architecture. Prior to coming to the Palmer Museum of Art, she was curator at The Asia Society in New York City, and was awarded a J. Paul Getty Foundation Post-Doctoral Fellowship and a Mellon Fellowship at the University of Pennsylvania.

**Glenn Willumson**, curator of collections, most recently worked on collection development at the Getty Center for the History of Art and the Humanities in Santa Monica, California. He received a Ph.D. from the University of California at Santa Barbara. His expertise is in twentieth century and American art with a concentration in the history of photography.



**Patrick J. McGrady**

**Lynne Drewry**, an alumna of Penn State, brings years of management and retail experience to her position as museum store manager. Her professional background has been with not-for-profit arts and science organizations which specialize in children and adult books, educational and scientific materials and novelty items.



**Glenn Willumson**



**Lynne Drewry**

**Five earn internships**

Five University staff members have been selected as the first participants in the Continuing Education Internship Program.

Internships have been awarded to:

● **Vicki L. Spadaccio**, contracts and proposals specialist with the Programs and Contracts Office, which will serve her internship in October.

● **David F. Ryan**, director of the Public Education or Low Level Radiation (PELL/RAD) program, which is administered through the Environmental Resources Research Institute, which will serve his internship in November.

● **Eric Loop**, conference coordinator at the Keller Conference Center, which will serve his internship in February 1993.

● **Kathy Melusky**, area representative for continuing education at the Penn State Schuylkill Campus, which will serve her internship in March 1993.

● **Deb Gearhart**, computer services specialist with Independent Learning, which will serve her internship in April 1993.

The internships, which are for one week, are open to Continuing Education staff members, field staff, and faculty and staff members throughout the University who have been directly involved in continuing education for at least two years. A five-member screening committee reviews applications.

**CARPOLERS**

Peggy is looking for a ride from Phillipsburg to University Park. Her work hours are from 9 a.m. to 5 p.m. Call 865-1807.

Bob needs people to join a carpool from the Clearfield/Phillipsburg area to University Park. Work hours are from 7:30 a.m. to 4 p.m. Call 865-0446 or 765-6013.

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October 8, 1992  
Vol. 22, No. 8

**PENN STATE**



**INTERCOM**

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor

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# INTERCOM

October 15, 1992

Volume 22, Number 9

## Pattee Library funding comes through from state University benefits from 'Jump Start' program

The release of \$14.8 million in state funds for an addition to Penn State's Pattee Library at University Park is a decision that will have an impact on Penn State students for decades to come, University officials said Friday, Oct. 9.

President Jobb Thomas and other University officials offered praise to Governor Casey and the General Assembly for making the funds available for the project during a public celebration at Pattee

Library, Gov. Casey first announced the release of the funds, along with money for 13 other building projects at Penn State, during a press briefing Thursday, Oct. 8 in Harrisburg.

"These state funds, coupled with gifts that will be raised in a planned private fund-raising project, will help position Pattee Library as a facility that can better support the critical needs of our students and fac-

ulty," Dr. Thomas said.

"Penn State ranks fourth in library expenditures among public institutions in the Big Ten. Increasing the size of the library and the resources available there will have a positive and welcome impact on the important work taking place at this University."

Last spring football coach Joe Paterno agreed to chair a volunteer committee that is studying the feasibility of raising private funds for a Pattee addition. The General Assembly previously had appropriated funds for the project and the University has since been waiting for the funds to be made available.

"The Governor's release of these funds is very much appreciated," Coach Paterno said. "It gives a tremendous boost to any fund-raising effort we might launch."

Although no official decision has been made about a campaign goal or timetable for the Pattee addition, some gifts and other funds have been committed recently for the effort. Joe and Sue Paterno announced a \$250,000 gift to the expansion project last month.

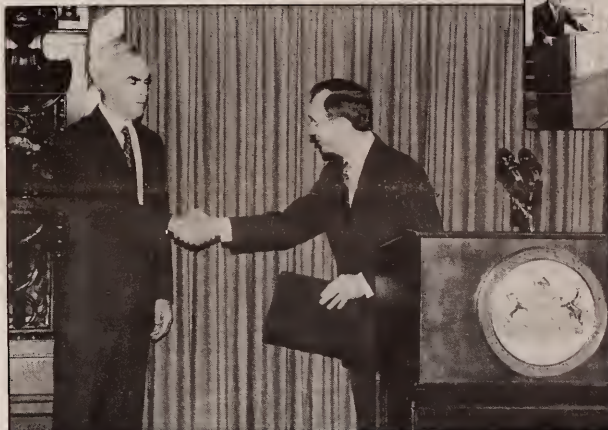
In addition, the Penn State Alumni Association recently committed \$500,000 toward the project and another \$1 million will be generated by the University's partnership with Pepsi.

"The expansion of Pattee Library has been my highest priority since arriving at Penn State and I am grateful to Gov. Casey for working with us to identify state funds for this project," Dr. Thomas said.

Governor Casey announced the release of funds for a number of construction projects across the state, including 14 projects at Penn State. Seven of those Penn State projects will be at locations other than University Park.

The Pattee funding is part of a "Jump Start" program the governor announced which targets higher education construction projects as a means to both provide support for higher education and at the same time

See "Pattee" on Page 2



Special thanks...President Thomas thanks Gov. Robert P. Casey in Harrisburg for making funds available for several University projects. In the photo inset, Coach Joe Paterno, chair of the volunteer committee studying the feasibility of raising private funds for the Pattee addition, talks about the release of funds at a public celebration at University Park. Photos: Greg Grieco

## New director of Penn State Research Park will take up post Nov. 1

Fred R. Meade, director and chief operating officer of the Virginia Tech Corporate Research Center in Blacksburg, Va., has been named director of the Penn State Research Park, effective Nov. 1.

"We're delighted that Fred Meade has accepted our invitation to provide leadership for this important new venture," said David A. Shirley, senior vice president for research and dean of the Graduate School and the administrator to whom Mr. Meade will report.

"Fred's established an impressive track record in economic development and research park management in Florida and Virginia, and we're

confident that his leadership will help to establish the Penn State Research Park as one of the most attractive new enterprises of its kind in the world today," Dr. Shirley added.

The Virginia Tech Corporate Research Center (CRC) was created to provide land, facilities and support programs to private companies and public agencies interested in establishing research and development operations within close proximity to the university.

The CRC completed its first multi-tenant building in 1988, and Mr. Meade arrived as director in 1989.

Since then, the CRC has become home to more than a dozen private companies and five university-related operations centers, including Virginia Tech's computing and satellite communications systems. In addition, the CRC currently is constructing its fifth consecutive preleased building.

These early accomplishments have won the CRC recognition in such publications as the *Wall Street Journal*, *Real Estate Forum*, *Business Facilities*, and *Plants Sites & Parks* as one of the most successful young research parks in the nation.

"What's fascinating to me about my new position is that Penn State is

the No. 2 university in the nation in industry-sponsored research," Mr. Meade said. "That's a tremendous competitive advantage in building a research park."

"I'm also impressed with the fact that the Penn State Research Park is not structured as a marginal or peripheral operation of the University, as so many of them are. The senior officers of the University, and the Board of Trustees, are very closely involved with the management of this enterprise, and I support that throughout the University for the Penn State Research Park just

See "Meade" on Page 2

## Women's group to discuss SPEC

"An Open Discussion on the SPEC Program" will be the topic of the next public meeting of Professional Women at Penn State Tuesday, Oct. 27, at University Park.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Frazzell Room of Eisenhower Chapel with an opportunity for informal networking. The open discussion will begin at 12:10 p.m.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group welcomes attendance from men and women in all job and student classifications at the University.

## DIVERSITY OPPORTUNITIES CALENDAR

**Friday, Oct. 16**  
The Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Jazz performance titled, "The Music of Duke Ellington Featuring Wynton Marsalis."

**Saturday, Oct. 17**  
Penn State Student Black Caucus, 6 p.m., HUB Ballroom. Black Caucus Homecoming "Extravaganza."

**Monday, Oct. 19**  
Department of Human Development and Family Studies, 8 p.m., HUB Assembly Room. Contemporary Scholarship on Lesbian and Gay Lives Speaker Series presentation titled, "Naked Amazons and Queer Desmoiselles: A History of Lesbians in 20th Century America."

**Wednesday, Oct. 21**  
Center for Women Students, noon to 1 p.m., 120 Bouckie Building. Brown bag lunch discussion titled, "Women Who Love Too Much."

**Saturday, Oct. 24**  
Office of Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "External Funding and Proposal Development" is the second in a series of faculty development workshops. Balba Briedis, College of Liberal Arts coordinator of grants and contracts, will be the speaker. To make reservations, contact Leah Witzig at 853-1663 by Tuesday, Oct. 20. All junior faculty are welcome to participate.

## Pattee

Continued from Page 1

provide a boost to the state's economy.

Besides the addition to Pattee Library, the governor announced funds will be released for:

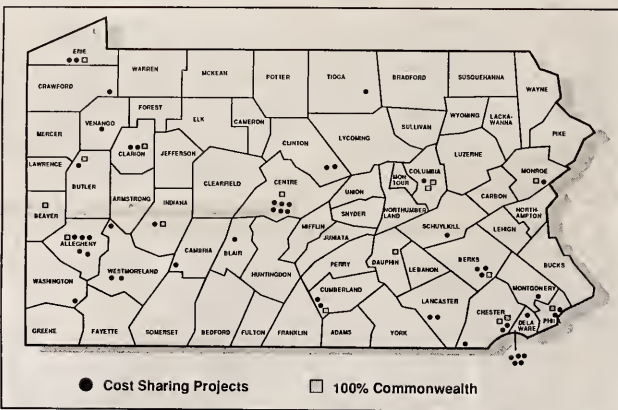
- A College of Engineering Research Building, University Park.
- New Research Center, University Park.
- Renovation of Weaver and Patterson Buildings, University Park.
- Renovation of Sutherland and Lares Buildings, Oyster Camp.
- General Purpose Classroom Building, University Park.
- Renovation of Research Buildings A,B, and C, University Park.

— Addition to the Physical Education Building, Altoona Campus.

- Classroom Building, Delaware County Campus.
- Science and Technology Center, New Kensington Campus.
- New Library, Schuylkill Campus.
- Central Energy Plant and Distribution Systems, Hershey Medical Center.

- Renovation of Labs in Chandlee and Mueller Buildings, University Park.
- Construction of A Learning Center, Beaver Campus.

For a more detailed description of the projects, see Page 3.



Of all the projects announced by Gov. Casey statewide, Centre County will get the most number of building and renovation projects from his "Operation Jump Start" — a total of seven — than will any other single county. Seven additional Penn State projects will occur at locations other than University Park.

## Meade

Continued from Page 1

doesn't exist at other universities."

The first phase of the 130-acre Penn State Research Park currently is under construction. Three university-owned facilities, financed through a bond issue, will serve as the park's nucleus and be an inducement to companies seeking to locate at Penn State and tap into its scientific, technological and intellectual talent and facilities:

— A 240,000 square-foot conference center and hotel, the latter facility to be managed by Scanticon International;

— A 50,000 square-foot research and development laboratory, to house Penn State research programs;

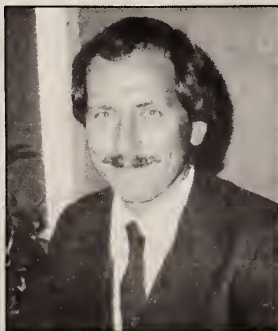
— and a 53,000 square-foot technology center, to house the offices of the Penn State Economic Development System as well as a business incubator to be operated by the Centre County Industrial Development Corp.

Before his Virginia Tech position, Mr. Meade served as the director of economic development in Tampa, Fla., where he was responsible for a number of successful recruitment efforts. These include the world headquarters of Citicorp Global Services, the headquarters of Anchor Glass Corp. and major divisions of General Dynamics, SmithKline Laboratories, Bausch & Lomb and others.

His other responsibilities included membership on the governing authority of the University of South Florida Research Center Park, and the development, marketing and management of the adjacent 800-acre Tampa Municipal Park of Commerce and Industry.

Mr. Meade currently serves on the board of directors of the Association of University Research Parks.

He holds a bachelor's degree from the University of West Florida and a graduate degree in Urban Development Policy from the University of Leiden, in the Netherlands.



Fred R. Meade



# State-funded projects for Penn State total fourteen

Fourteen Penn State projects are included in the comprehensive capital construction program announced by Gov. Robert P. Casey for Pennsylvania's state-owned and state-related universities. The projects are:

## □ Addition to the East Wing of Pattee Library, University Park Campus

This multi-story addition will be constructed adjacent to the existing East Wing of Pattee Library. The new library addition will house book stacks, offices, reading rooms, study areas, and some of the special collections of the University. The building design will make it compatible with the existing structure, and it will incorporate high level energy efficiency. Expansion of the library has been the number one building project at the University for several years. During 1991 more than 1.5 million people used the Pattee Library. There has been no change in the size of the library since 1972, but in the past 20 years there has been a 500 percent increase in circulation.

## □ College of Engineering Research Building, University Park Campus

This graduate and undergraduate teaching and research laboratory facility will be located on the new West Campus that Penn State is building, across North Atherton Street from the core campus at University Park. The project will add a multistory facility for research, undergraduate and graduate programs in advanced technological fields, such as acoustics, bio-engineering, computer engineering, CAD/CAM, robotics and automation. The building will include specialized laboratories, large classrooms, assembly rooms, seminar areas, office spaces, and engineering library space.

## □ New Research Center, University Park Campus

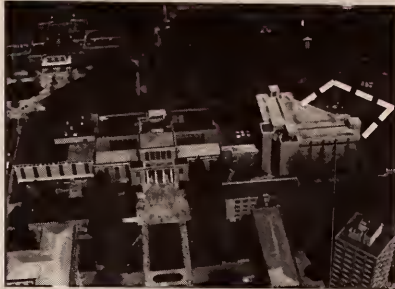
This is an interdisciplinary and interdepartmental research and graduate study center that will be located on the new West Campus, across North Atherton Street from the core campus area of University Park and near existing research facilities. The building will include assembly areas, large classrooms, seminar rooms, library areas, specialized laboratories and offices. Penn State experienced an explosion in research funding during the 1980s and currently is one of the largest research universities in the nation.



Weaver Building on the University park Campus

## □ Renovation of Weaver and Patterson Buildings, University Park Campus

These buildings were originally constructed around the turn of the century. This project will renovate the facilities, both interior and exterior, to provide structurally sound, up-to-date facilities for academic, administrative support and research programs. Construction of new offices, laboratories, specialized lecture rooms and classrooms will be included. Modern mechanical and electrical systems will be installed with year round climate control.



Aerial view of Pattee Library. White line on right side shows proposed addition.

Photo: Courtesy of Publications

## □ Renovation of Sutherland and Lares Buildings, Ogotz Campus

Two older buildings on the Penn State campus outside of Philadelphia will be upgraded through this project. The renovation will provide modern space for instruction, instructional support, academic and administrative operations. Utility systems will be revamped, and new lighting, insulation, energy-efficient windows, roofs, and interior finishes will be part of the project. Some walls in the buildings will be demolished and partitions constructed to accommodate new uses. The Penn State Ogotz Campus enrolls approximately 3,300 students.

## □ General Purpose Classroom Building, University Park Campus

During the past 10 years, enrollment at Penn State increased by approximately 10,000 students. This classroom building at the University Park Campus will go a long way toward relieving some of the heavy pressure on available classroom space at this campus. It will be attached to the recently completed Phase I general purpose classroom building at the corner of Pollock and Shortledge Roads. It will be constructed along Shortledge Road, directly south of Eisenhower Auditorium.

## □ Renovation of Research Buildings A, B and C, University Park Campus

These three buildings were originally constructed as temporary space to be used by various research endeavors at the University more than two decades ago. They are located at the University's intercollegiate research laboratory area on the East Campus. With the rapid growth in research, the facilities have gained in value to the University and the renovations will significantly extend their useful life for the institution. Work will include upgrading both the exterior and interior of the facilities. Roof replacement will take place, as well as the addition of modern electrical wiring systems, insulation and window replacements.

## □ Addition to the Physical Education Building, Altoona Campus

This project will add between 4,000 and 5,000

square feet of classroom and office space to the campus physical education building.

## □ Classroom Building, Delaware County Campus

Construction of this new classroom building will add much needed classroom space, seminar rooms, study areas, faculty offices, specialized instruction areas and related support spaces.

## □ Science and Technology Center, New Kensington Campus

This project will include classrooms, instructional laboratories, offices, multi-use lecture areas, seminar and group study areas, and related support space.

## □ New Library, Schuylkill Campus

This project will be a multi-story building housing library facilities to include book cases, reading rooms, study areas, offices, special classrooms, seminar rooms and support space.

## □ Central Energy Plant and Distribution Systems, Hershey Medical Center.

The Central Energy Plant at the Hershey Medical Center was constructed in the mid-1960s, when the institution was significantly smaller than the vast medical complex which now exists there. Chilled water generating equipment that has reached the end of its usefulness will be upgraded and replaced. Steam distribution systems will be upgraded and expanded. The electrical and telecommunications services of the medical center will be improved.

## □ Renovation of labs in Chandlee and Mueller Buildings, University Park Campus.

The College of Science has made programmatic changes that require extensive equipment changes to its laboratories. This project will include improving the ventilation, air handling and air conditioning systems in the buildings.

## □ Construction of a Learning Center, Beaver Campus

This project will be an addition to an existing structure to serve the needs of a growing commuting and resident student body. It will house offices for student organizations, study lounges, seminar rooms, an auditorium for student productions and student Programs and Services offices.



Research Buildings A, B, C at University Park

Photos: Greg Grieco

# LECTURES

## Human Genome workshop slated for Oct. 28 - 31

Representatives from around the world will meet at University Park Oct. 28-31 to define which human populations to include in a sampling of humanity's genetic makeup.

Human Genome Diversity Workshop II, arranged in coordination with the Human Genome Organization, has as its primary objective a systematic survey of human genetic diversity and the preservation of representative biological samples from unique populations.

Gene sequences currently being studied by the Human Genome Project are from small numbers of individuals from industrialized nations," Kenneth M. Weiss, professor of genetics and anthropology and head, Department of Anthropology, said.

The Human Genome Project is a major effort to map, clone and eventually to determine the entire three-billion-nucleotide sequence of the DNA in the human genome — the entire complement of chromosomes.

The Human Genome Diversity initiative — a planning effort that includes anthropologists, linguists, and geneticists — hopes to be able to reconstruct prehistoric movements of peoples, investigate physical development and adaptive differences in populations from genetic information and create a basis for genetic screening, disease prevention and therapy in various populations.

The purpose of this second workshop is to choose and prioritize the populations of the world that should be sampled. Because of funding limitations, only about 400 populations can be sampled at this time to create permanent sources of DNA in the form of growing cell lines. Careful investigation of potential populations must consider logistic, practical and ethical issues.

During the first workshop, it was agreed that genetic samples from hair bulbs and cheek scrapings — which are not constrained by time, but which also can not be cloned into active cell lines — could provide a reservoir of genetic information, but that cloned cell lines were the permanent record the researchers were trying to establish.

"We hope this will result in the collection of blood samples to be immortalized and maintained in an international, fully accessible cell repository, including computer data banks and an available source of DNA," Dr. Weiss said.

The workshop attendees will represent various segments of the world and will help determine which societies provide good representation of current biodiversity and patterns in prehistory and ethnology. They also will determine which populations are in immediate danger of extinction and which represent important population crossroads of the past in relation to cultures, languages and peoples.

## 1992 Nelson W. Taylor Lecture Series

# CEO to speak at University Park

Richard Balzhiser, president and CEO of the Electric Power Research Institute (EPRI), will present the 1992 Nelson W. Taylor Lecture Series, Oct. 15 and 16 at University Park.

He will speak on "Electricity Beyond 2000" at 1:30 p.m. today, and on "Materials and Fuel Opportunities in Tomorrow's Supply System" at 1:30 p.m., Friday, Oct. 16. Both lectures are in Room 112 Kern Building. An informal reception will be held in the Earth and Mineral Sciences Museum, Steidle Building, at 3 p.m. today. All events are open to the public.

Dr. Balzhiser has been with EPRI since the institution was founded in 1973 to promote research on energy and alternative energy methods. He has served as director of the Fossil Fuel and Advanced Systems Division, vice president of research and development, and since 1988 as

president and chief executive officer.

From 1971 to 1973, he served the White House Office of Science and Technology as assistant director for Energy, Environment, and National Resources. He previously was chairman of the Department of Chemical Engineering at the University of Michigan.

Throughout his career, Dr. Balzhiser has served on numerous scientific and technical advisory committees for government agencies and currently is a member of the National Research Council Energy Engineering Board.

The Taylor Distinguished Lecture Series is sponsored by the Department of Materials Science and Engineering. The series was established in 1965 to honor the memory of Nelson T. Taylor, head of the Department of Ceramics from 1933-43. It continues to be supported by his widow, Miriam Taylor.

# Superintendent of Philadelphia schools is third Distinguished Lecturer Oct. 19

The third in a series of four Distinguished Lectures sponsored by the College of Education will be held Monday, Oct. 19.

Constance E. Clayton, superintendent of schools for the School District of Philadelphia, will speak at 6:30 p.m. in 123 Chambers Building at University Park.

Dr. Clayton joined the Philadelphia School System in 1955 as a teacher. Nine years later, she became a collaborating teacher in the Social Studies Department of the Curriculum and Instruction Division. In 1969, she served as Project Director of the Staff Development Program in African and Afro-American Studies.

During 1971-72, Dr. Clayton served as regional director of the Women's Bureau, United States Department of Labor. During the ten-year period beginning in 1972, she served successively as director and executive director of early childhood education programs and associate superintendent of early childhood education, School District of Philadelphia.

She holds B.S. and M.Ed. degrees from Temple University. She

received her Ed.D. in Educational Leadership from the University of Pennsylvania, where she was a Rockefeller Scholar. Honorary Doctorates have been conferred upon Dr. Clayton by 15 colleges and universities.

Actively engaged in leadership activities in the community, in the academic world, and in youth- and school-related organizations, Dr. Clayton serves on a number of boards, including the Public Broadcasting Service, the Private Industry Council, the National Board of Medical Examiners, Research for Better Schools and the Area Council for Economic Education. She is a member of the board of trustees of the Philadelphia Museum of Art, Drexel University, and Bryn Mawr College. In addition, she serves on the advisory committee of Penn State Great Valley and on the board of visitors of the College of Education.

Memberships include the American Association of School Administrators, Committee to Support Philadelphia Public Schools, the Children's Defense Fund, and president of The Council of Great City Schools.



Constance E. Clayton

Dr. Clayton has received numerous achievement awards and recognitions, including the Gimbel Award, the Police Athletic League Award, the Humanitarian Service Award presented by the Philadelphia Commission on Human Relations, and the American Spirit Award presented by the United States Air Force Recruiting Service.

# Newly-established Jewish Studies Program ushers in Inaugural Lecture Series Nov. 5 at University Park

The Inaugural Lecture Series of the newly-established Jewish Studies Program at Penn State begins Nov. 5, with an illustrated talk on Megiddo, site of The Source and of the Biblical Armageddon.

The speaker, Dr. Israel Finkelstein, senior lecturer in the Institute of Archaeology at Tel Aviv University, is widely recognized as one of the leading contributors to the ongoing debate concerning the origins of the ancient Israelites.

The lecture, co-sponsored by the Central Pennsylvania Society of the Archaeological Institute of America, will be at 8 p.m. in 112 Walker Building at University Park.

Dr. Finkelstein, an expert on the historical demography of ancient Israel, has excavated the site of 12bet Sarta, where the oldest existing Israelite inscription was discovered. He also has excavated at Khirbet es-Su'nu, Biblical Shiloh, reputedly home for a time of the Ark of the Covenant.

During his visit to Central Pennsylvania, Dr. Finkelstein also will speak on the archaeology of the Israelite settlement at 11 a.m. Sunday, Nov. 8, at Congregation Bet Shalom, 620 East Hamilton Ave., State College. The public is invited to both talks.

## Chemistry professor will present Priestly Lectures



Harry Gray

Harry Gray, Arnold O. Beckman professor of chemistry and director of the Beckman Institute at the California Institute of Technology, will present the 66th annual Joseph Priestly Lectures in Chemistry Oct. 26 to 29 at University Park.

The four-lecture series, titled "Electron Transfer in Chemistry and Biology," is sponsored by the Eberly College of Science through a grant from Exxon Research and Development

Laboratories, and is free to the public.

Dr. Gray will lecture on the following topics: "Intramolecular Electron Transfer in Inorganic Complexes and Metalloproteins," 8 p.m., Monday, Oct. 26, 102 Classroom Building; "Electron-Tunneling Pathways in Proteins," 8 p.m., Tuesday, Oct. 27, 111 Wartik Laboratory; "Blue Copper Proteins," 4 p.m., Wednesday, Oct. 28, S-5 Osmond Laboratory; "Structurally Engineered Redox Enzymes," 12:15 p.m., Thursday, Oct. 29, in S-5 Osmond Laboratory.

A specialist in investigating the syntheses, structures, and reactions of inorganic complexes, Dr. Gray has devoted more than 20 years to researching the electronic structures and electron-transfer reactions of metalloproteins.

As a tribute to his work in bioinorganic chemistry and inorganic photochemistry, he received the National

Medal of Science from President Reagan in 1986. He has won numerous awards during his career, including the American Chemical Society Award in Pure Chemistry, the ACS Award in Inorganic Chemistry, the Pauling Medal, and the American Institute of Chemists Gold Medal.

In 1988, he was named California Scientist of the Year, and within the last two years he has received the Alfred Bader Award in Bioinorganic Chemistry, the Waterford Award of the Scripps Research Institute, the Priestly Medal of the ACS, and the Gibbs Medal.

Dr. Gray began his research in inorganic chemistry at Northwestern University, where he earned his doctoral degree in 1960. Prior to joining the faculty at Caltech in 1966, he spent a year conducting postdoctoral studies at the University of Copenhagen and was a professor at Columbia University.

An elected member of the National Academy of Sciences since 1971, he has served on the NAS council and the governing board of the National Research Council.

The Priestly Lectures are named in honor of Joseph Priestly, the 18th century chemist who discovered oxygen, and were established by the late Professor Wheeler P. Davey in 1928.

## Massachusetts attorney general to visit Penn State

Scott Harshbarger, attorney general of the Commonwealth of Massachusetts, will visit Penn State Harrisburg Oct. 26 as the first speaker in the College's 1992-93 lecture series.

In his presentation, "Perspectives on the Juvenile Justice System: From Sanctions to Alternatives," he will explain his ideas on how to efficiently and effectively change the criminal justice reform system. Through his leadership style, he proposes methods to prevent the juvenile delinquent from becoming a lifetime resident of adult correctional facilities.

Prior to his current position, Mr. Harshbarger served as district attorney of Middlesex County, Mass., where he earned a reputation for involvement in juvenile justice, the prevention of elder abuse, the environment and drug education.

In 1991, he became the first prosecutor ever to receive "The Livingston Hall Juvenile Justice Award" presented by the American Bar Association.

Mr. Harshbarger is a graduate of Harvard Law School and has lectured on professional responsibility at Boston University Law School since 1980.

He will speak at 7 p.m. in the College's Student Center, Capital Union Building. The session is free to the public. For further information, contact the College's community relations office at (717) 948-6272.



Scott Harshbarger

## Nutrition and aging colloquium

### Expert to give free talk on concerns of elderly

David A. Lipschitz, Wellcome Visiting Professor at Penn State, will give a colloquium on "Interrelationships Between Nutrition and Aging" at 4 p.m. Thursday, Oct. 22, in 117 Henderson Building. The talk is free to the public.

Dr. Lipschitz, an expert on nutritional requirements and concerns of the elderly, is head of the Division on Aging at the University of Arkansas for Medical Sciences and the John L. McClellan Memorial Veterans Hospital, both in Little Rock, Ark. He also is director of the Geriatric Research, Education, and Clinical Center at the McClellan Hospital and holds the rank of professor of medicine at the University of Arkansas.

The Wellcome Visiting Professorship in the Basic Medical Sciences allows medical schools, universities, and other scientific research institutions to host a distinguished scientist for two to five days. The scientist engages in teaching and discussion with students and faculty, and



David A. Lipschitz

delivers a Wellcome lecture on a subject related to his or her discipline.

The professorship is administered by the Federation of American Societies for Experimental Biology and sponsored by the Burroughs Wellcome Fund.

The professorship was awarded as part of the Geriatric Nutrition Research Alliance, a joint effort of the University and of Geisinger Clinic in Danville. The alliance involves research and educational programs aimed at improving the nutritional health and overall quality of life of older adults. It represents a collaboration between the Department of Nutrition and Geisinger's Department of Gastroenterology and Nutrition.

Dr. Lipschitz, who holds both an M.D. and a Ph.D., has been at University of Arkansas since 1978. He is president-elect of the Association of Directors of Geriatric Medicine Programs.

## Harvard executive director to speak Oct. 20

Ellen Hume, executive director of the Barone Center on the Press, Politics and Public Policy at Harvard University, will present the 1992 Lowell Mellett Lecture at 8 p.m. Tuesday, Oct. 20, in Kern Auditorium at University Park. Ms. Hume, former White House correspondent for the Wall Street Journal, will speak on "Presidential Campaign Coverage 1992."

The Lowell Mellett Award for Improving Journalism Through Critical Evaluation will be presented to Stephen Klaidman, for his book *Health in the Headlines*. He examined and illuminated the combination of science, politics and economics that often

obscure health reporting on key issues such as AIDS, nuclear power, cholesterol and smoking.

Special citations will be presented to Mel Friedman for analysis of U.S. press coverage of worldwide nuclear proliferation, which was published in *Deadlines*, a research bulletin of the Center for War, Peace and the News Media at New York University, and to Ellen Hume and the Joan Shorestein Barone Center at Harvard for the study, "Campaign Lessons for '92."

The Mellett Award was established in 1978 from a bequest by the late Lowell Mellett, a distinguished editor and syndicated columnist.

## CARPOOLERS

Dixie would like to carpool from Phillipsburg to University Park from 7:30 a.m. to 4:30 p.m. Monday through Friday. She can be reached at 342-4650 after 6 p.m.

Phillipsburg carpool seeks fourth person with vehicle to drive alternating days to University Park. Work hours are from 8 a.m. to 5 p.m. Call Linda at 865-1352 or Lisa at 865-0969.

### Preservation exhibit

An eight-panel photographic exhibit that draws attention to the preservation and access of information in brittle books will be on display in the LIAS Catalog Room of Pattee Library during Homecoming Weekend through Oct. 24.

The exhibit is on loan from the Commission on Preservation and Access, a private, non-profit organization acting on behalf of the nation's libraries, archives, and universities to develop and encourage collaborative strategies for preserving and providing access to the accumulated human record.

Also on Homecoming Weekend, the thirty-minute video, "Slow Fires," on the preservation of the human record, will be available for viewing in the Penn State Room in Pattee Library. The Penn State Room is open 9 a.m. to 1 p.m. on Saturdays and is closed on Sundays.

### Photography exhibit

"Bodyscapes," an exhibition of photography by Diane Watson, is on display in Pattee Library's Lending Services Gallery, until Oct. 31.

Ms. Watson's works have been exhibited in a number of group and juried exhibitions this year, including Penn State's Undergraduate Juried Exhibition, Penn State's Art Department Photo Exhibition, and the University of Wisconsin, La Crosse. Currently, her works are exhibited at Florida State University.

Ms. Watson is a student at Penn State pursuing a bachelor of fine arts degree in photography. "Bodyscapes" is her second solo exhibit at Pattee Library.

### Watercolors and drawings

An exhibition of watercolors and drawings by Sophie Richmond is being held in Pattee Library's West Lobby Gallery through Oct. 31. The works depict traditional landscapes and objects from nature, as well as abstracted images.

Ms. Richmond earned a bachelor of science degree in drawing and printmaking from Portland State University in Oregon in 1984 and a bachelor of fine arts degree in ceramics from the University of Oregon in 1986. In 1988, she moved to Pennsylvania and began teaching art at the Cambria County Community Arts Center and other community school programs in Johnstown.

Ms. Richmond is a member of the Susquehanna River Arts Alliance in Clearfield and the Art Center in Leont. Her works have been displayed in a number of local exhibi-

tions including the DuBois Arts Festival, the Clearfield Hospital Auxiliary's Invitational, the Atherton Hilton, and the Susquehanna River Art Center's 9th Annual Juried Show.

### Odyssey on WPSU

"The Painter of the Mohicans," the next Odyssey Through Literature broadcast, discusses the relationship between the painter Thomas Cole and the writer James Fenimore Cooper. Thomas Cole, says art historian Elwood C. Parry III of the University of Arizona, was not an illustrator: He was using the author to make his own statement.

"Thomas Cole was more imaginative and more ambitious than any other landscape painter in 19th-century America," Dr. Parry tells Leonard Rubinstein. "That ambition shows in how

immediately he borrowed scenes from a popular novel. The *Last of the Mohicans* appeared as two volumes in February of 1826, and by the late fall Cole had painted an image of the climatic death and destruction scene at the end of Cooper's novel.

"That he wanted to do, by borrowing scenes from Cooper's popular novel, was to elevate his landscapes so that they became historical landscapes, not just landscape views."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Featured authors

The Penn State Bookstore on Campus will host alumni and local authors this week.

On Friday, Oct. 16, from 2 to 4 p.m., Joe Schall, technical writing tutor in the College of Earth and Mineral Sciences, will sign and discuss his book *Indentation and Other Stories* (NYU Press, 1991) and his new writing manual *Style for Students (And Others): A Manual for the Sciences and Engineering* (McGraw-Hill, 1992). Mr. Schall is also an instructor in the Department of English and the winner of the first annual Elmer Holmes Bobst Award for Emerging Writers in 1990 for *Indentation*.

At the same time, Linda Feltman will sign and discuss her book *Bed and Breakfast and Unique Inns of Pennsylvania* (Crystal Springs, 1991). Ms. Feltman, a graduate of the School of Communications, currently manages Rest and Repeat Bed and Breakfast Reservation Service in State College.

On Saturday, Oct. 17, from 9 to 11 a.m., the bookstore will host Pamela A. Kopen, author and illustrator of *Grandpa's Magic Drawer* (Padakami Press, 1992). This is lyrical tale in which a youngster is lovingly guided through the treasures and memories of his grandfather's "magic drawer."

Dr. Kopen earned her M.D. from The Hershey Medical Center and completed a residency in radiology and a fellowship in pediatric radiology at Washington University in St. Louis.

On Wednesday, Oct. 21, the bookstore will feature Charles Fergus to sign his latest book *Gun Dog Breeds* (Lyons and Burford, 1992), from noon to 2 p.m. Mr. Fergus is the author of the widely acclaimed *The Wingless Crow, A Rough-Shooting Dog and Shadow Catcher* (a novel). His works have appeared in *Science, Harrowsmith, Backpacker, Country Journal, Audubon* and elsewhere.



### Glee Club

The Penn State Glee Club will begin its 105th concert season with the Annual Homecoming Concert at 7:30 p.m. Saturday, Oct. 17, in Schwab Auditorium at University Park.

The 80-member men's chorus will present the first performance of conductor Bruce Trinkley's "God Save Great Washington," a medley of American presidential campaign songs from 1786 to 1972 for chorus, soloists and piano trio. The Glee Club also will sing sacred works by J.S. Bach and Vincent Persichetti and two recently published works by Mr. Trinkley: "Harvest Due" from *The Pennsylvania Bicentennial Wagon Train Show* and "Twelve Gates to the City," an American folksong.

Guest performers from the faculty of the School of Music will include the Castalia Trio: Marylene Dosse, piano; James Lyon, violin; Kim Cook, violoncello, and vocalist Norman Pysy, baritone, who will be featured with the Glee Club in selections from Carl Orff's "Carmina Burana." Also participating will be members of the School of Music Percussion Ensemble.

The Hi-Lo's, a 14-member elite ensemble, and the Varsity Quartet, a barbershop group, will perform selections from their repertoire.

Tickets are \$5 for non-students and are available at the Eisenhower Box Office and at the door. Students will be admitted free with student I.D.

### Family Concert

The Crofut and Brubeck Ensemble will perform at 3 p.m. Sunday, Oct. 18, in Eisenhower Auditorium at University Park.

The duo will draw from a variety of musical traditions in its program, including folk, blues, traditional, jazz and classical. Its repertoire encompasses Woodie Guthrie's "I'm Gonna Mail Myself to You," Foggy, Foggy Dew, and "Old Joe Clark" as well as "Jesus, Joy of Man's Desiring" by J.S. Bach.

Audience involvement plays a key role in the show, which introduces the banjo, guitar, lute, trombone and piano to children. The rhythmic structure and character of these instruments is explored in an hour of singing and frolicking.

Crofut and Brubeck, who have been performing for 20 years, will be joined by guitarist Joel Brown.

Tickets are \$5 for adults; \$3 for students. For ticket information, contact the Eisenhower Auditorium Ticket

Center, at (814) 863-0255.

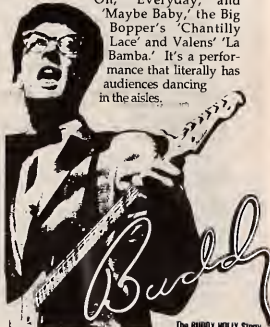
### The Buddy Holly Story

"Buddy: The Buddy Holly Story" will be performed at 8 p.m. Friday and Saturday, Oct. 23 and 24, in Eisenhower Auditorium at University Park. Depicting Holly's beginnings and subsequent rise to fame, the show is part of the "Singular Sensations" Series sponsored by the Center for the Performing Arts.

The curtain opens on Holly's life before his music hit the charts. From its country music origins, however, Holly's style quickly evolved to rock 'n' roll. Buddy Holly and the Crickets released their first No. 1 hit in 1957. Holly's rise to fame included some projects recorded in New York where he met his wife, Maria Elena Santiago. Holly became a big name in the industry and his music represented one of the most exciting eras in the history of rock. Tragically, his career came to an end when his plane crashed in February 1959.

The highlight of the show is a recreation of The Winter Dance Party, Holly's final concert in which Ritchie Valens and The Big Bopper also performed. This rock jamboree features the Holly hits "That'll Be the Day," "Oh

Boy!," "Peggy Sue," "Rave On," "Everyday," and "Maybe Baby," the Big Bopper's "Chantilly Lace" and Valens' "La Bamba." It's a performance that literally has audiences dancing in the aisles.



For ticket information, contact the Eisenhower Auditorium Ticket Center.

To complement the Oct. 23 and 24 performances, the Center for Performing Arts is sponsoring two lectures concerning musical theater as an enrichment event.

Lowell Manfull, professor emeritus of theater arts, will present "Integrated Musicals: The Forerunners," at 2:30 p.m. Friday, Oct. 23, in the School of Music Recital Hall.

Dan Egan will present "American Musical Theater: A Reflection of American Life," at 1 p.m. Saturday, Oct. 24, in Eisenhower Auditorium. Mr. Egan is a tenor who performs extensively in the New York area.

Both lectures are free to the public.

### Concert Choir

The Penn State Concert Choir will perform with the New World Symphony,

# University Park Calendar

Oct. 15 — Oct. 25

## SPECIAL EVENTS

Thursday, Oct. 15

Professional Women at Penn State. Brown-Bag Lunch meeting, 11:45 a.m., Robeson Cultural Center Aud. President Thomas on "State of the University."

Bach's Lunch, 12:10 p.m., Eisenhower Aud. Penn State Classical Chamber Ensemble

Public Lecture, 4 p.m., 101 Kern. "Aristotle's Poetics and Shakespeare's Poetry."

Reception, 6-8 p.m., Nittany Lion Inn.

Ruth Pike Lecture Series, 4 p.m., 108 Wartik. Margaret Clagett-Dame, Univ. of Wisconsin-Madison, on "Vitamin A and Neural Development."

Lecture, 7:30 p.m., 258 Willard. Loren Graham, MIT, on "The Ghost of the Executed Engineers: The Danger of Restricting Communication."

Friday, Oct. 16

■1992 World Food Day, teleconference, noon-3 p.m., Intl. Lounge, 222 Boucke. "Nutrition: Linking Food, Health and Development."

Bag Lunch Discussion, noon-1 p.m., Donovan Room, 204 HUB. "Open Forum on Learning Disabilities."

Homecoming Parade, 5:30 p.m.

Shaver's Creek, 7-8:30 p.m., Moonlit Hayride. Call 863-2000.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. The Music of Duke Ellington, Lincoln Center Jazz Orchestra.

URTC, 8 p.m., Pavilion Theatre, "Machinal" through Oct. 24.

Saturday, Oct. 17

Shaver's Creek, 10-11:30 a.m., Turtle Time. Call 863-2000.

Homecoming, Football, Boston College. Homecoming Concert, 7:30 p.m., Schwab Aud. Penn State Glee Club.

Sunday, Oct. 18

Shaver's Creek, 1:30-4:30 p.m., View From the Grassie. Call 863-2000.

Center for the Performing Arts, 3 p.m., Eisenhower Aud. Crutit and Bruback Ensemble.

Monday, Oct. 19

Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Jules Vuillemin on "An Aristotelian Analogy to Understand the Principle of Comedy."

Faculty/Staff Club, Oktoberfest, 5-7 p.m., Ballroom, Nittany Lion Inn.

College of Education Distinguished Lectures, 6:30 p.m., 123 Chambers, Constance E. Clayton, dept. of schools, Phil. School District.

■German Films, 8 p.m., 108 Wartik. Mutter Krausens Fahrt ins Glück.

Center for Women Students, 8 p.m., Robeson Cultural Center, Contemporary Scholarship on Lesbian and Gay Lives Speaker Series, Lilian Faderman, Calif. State Univ., on "A History of Lesbians in the 20th Century."

Tuesday, Oct. 20

Office for Disability Services, 3:30-5 p.m., 102C Pates. Living with Sight Loss at Penn State.

Wednesday, Oct. 21

Center for Women Students Brown Bag Lunch Series, noon-1 p.m., 120 Boucke, Natalie Croll, Office of Health Education and Promotion, on "Women Who Love Too Much."

■Slevic Center luncheon seminar, 12:10 p.m., Jurs Dragoon, prof. of psychology, on "Baltic States One Year After Independence: Loyal Dreams, Harsh Reality."

■Education Abroad Programs, Information Evening, 7:30 p.m., Intl. Lounge, 222 Boucke.

Thursday, Oct. 22

Nocturne Concert, Kern Graduate Bldg. Lobby, Gordon Law and Friends.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Penn State Concert Choir.

Center for Women Students, Six Feminist Scholars Lecture Series, 8 p.m., 101 Kern, Marjorie DeValili, Syracuse Univ., on "Women's Knowledge, Women's Professor: Divisions of Authority in Food and Nutrition Work."

Friday, Oct. 23

Geography Coffee Hour, 3:30 p.m., 319 Walker, Lee Stout, University archivist, on "Corporate Culture and the Creation of Historical Environments."

Stone Valley, old fashioned hayrides, 7-11 p.m. Also Oct. 24

Center for the Performing Arts, 8 p.m., Eisenhower Aud. "Buddy, The Buddy Holy Story." Also Oct. 24.

Saturday, Oct. 24

Office of Minority Faculty Development, 9 a.m.-noon, 114 Kern. Workshop on "External Funding and Proposal Development." Call Leah Witzig at 863-1663.

Sunday, Oct. 25

Shaver's Creek, 1-5 p.m., Halloween Trail Cast Training. Call 863-2000.

## Big 10/CIC MEETINGS

Oct. 25-27: CIC Associate Deans Group, Colleges of Arts and Sciences, Nittany Lion Inn. Penn State hosts: Norman Freed and Jeannette Brages.

Oct. 25-27: Big 10 Publications Directors, Nittany Lion Inn. Penn State host: Jeffrey Hermann.

## CONFERENCES

Oct. 19-23: Developing Managerial Effectiveness, 35 attendees; Nittany Lion Inn; J. Rose, chair; J. Menoher, coordinator.

Oct. 19-30: Cornell Management Program at Penn State; 35 attendees; Nittany Lion Inn; J. Menoher, chair.

Oct. 19: Flower Growers Day, 150 attendees; J. Holcomb, chair; M. Johnson, coordinator.

Oct. 19: Penn State Educational Office Personnel, 75 attendees; J. Misom, coordinator.

Oct. 19-20: Motor Fleet Advanced Accident Investigation; 20 attendees; Nittany Lion Inn; D. Lee, chair; E. Loop, coordinator.

Oct. 19-20: Social Impact on Aging: Inter-generational Perspectives; 50 attendees; Nittany Lion Inn; W. Schaie, chair; B. Impellitteri, coordinator.

Oct. 19-23: Field Training Officer Program; 40 attendees; Best Western, J. Sullivan, chair; K. Karchner, coordinator.

Oct. 20: PA Bar-Ophane's Court Litigation, 5 attendees; S. Hendrick, chair; J. Misom, coordinator.

Oct. 20-22: PA School Psychologists, 125 attendees; Nittany Lion Inn; J. French, chair; J. Sindlar, coordinator.

Oct. 20-22: National Hardwood Timber Bridge Conference; 20 attendees; Nittany Lion Inn; S. Jones, chair; M. Johnson, coordinator.

Oct. 21-22: Leadership Training Program; 50 attendees; Ahernton Hilton; B. Hartman, chair; E. Loop, coordinator.

Oct. 22-23: Cooperative Vocational Education; 85 attendees; Autoport; F. Welch, chair; C. Herd, coordinator.

Oct. 23-25: Profiles at Midpassage; 30 attendees; Holiday Inn; J. Weske, chair; R. Madsen, coordinator.

Oct. 23-25: Water Safety Weekend; 15 attendees; T. Griffiths, chair; J. Misom, coordinator.

Oct. 23-25: Underwater Acoustics; 20 attendees; Nittany Lion Inn; Ahernton Hilton; A. Stuart, chair; K. Karchner, coordinator.

Oct. 24-28: 225th IMS Special Topics Meeting; 100 attendees; Nittany Lion Inn; J. Rosenberger, chair; R. Madsen, coordinator.

Oct. 25-Nov. 6: Engineer/Scientist as Manager Program; 40 attendees; Nittany Lion Inn; A.

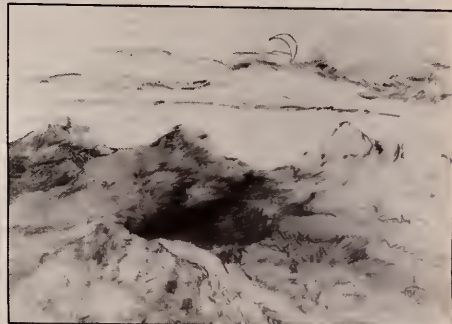
Clark, chair; J. Menoher, coordinator.

## SEMINARS

Thursday, Oct. 15

Ceramic Science, 11 a.m., 301 Steidle. Pirouz Pirouz, Case Western Reserve Univ., on "Interfacial Shear Strength and the Structure of SiC Fiber."

Master Teachers Seminar Series, 3:30-5 p.m., 118



An exhibit of watercolors and drawings by Sophie Richmond is being held in Pates Library's West Lobby Gallery through Oct. 31.

Ag Sciences and Industries. James M. Rameau on "Assessing Teaching and Learning in Undergraduate Education." Register, 863-2599.

Gerontology Center Colloquia, 4-5 p.m., 106 Mitchell. M. Powell-Lawton, Phil. Geriatrics Center, on "Ethical Issues, The Valuation of Life."

Graduate Program in Ecology, 3:45 p.m., 111 Wartik. Tom Kib, Penn State, on "Impacts of Pear Thrips on Sugar Maple."

Computer Science, 4 p.m., 325 Whitman Lab. N. Vorobiov, Cornell Univ., on "Computing Theory of a Smooth Algebraic Hypersurface in Single Exponential Time."

Industrial and Management Systems Eng., 4:30 p.m., 314 Hammond. Dave Fanson, ARL Robotics Research. Refreshments, 4:15 p.m.

Friday, Oct. 16

Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. Robert Cunningham on "The Elementary Properties of Thermally Stable Isothermal Quasycrystalline Phases."

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Lars Slost, Univ. of Chicago, on "Oligopoly and Product Quality."

Agromony, 3:35-4:25 p.m., 101 Ag Sciences and Industries. Archie McInnes on "Overview of Environmental Research at Penn State."

Monday, Oct. 19

Agricultural and Biological Engineering, 12:20 p.m., 239 Ag Engineering. Robert E. Graves on "Penn State University Animal Facilities."

Tuesday, Oct. 20

Plant Pathology, 12:15 p.m., 112 Buckhart Lab. Michael Goodin on "Biochemical and Molecular Characterization of the dsRNA-Containing 366m Virus Associated with La France Disease of the Cultivated Hurdston."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson. Claudia Probst, asst. prof. of nutrition, on "Worksite Intervention Trial: The Working Well Study."

Operations Research, 4:35 p.m., 207 Sackett. Thomas D'Alfonso, Ph.D. candidate in Ag. Eng. and Operations Research.

Wednesday, Oct. 21

Biotechnology Institute, 2:30 p.m., 110 Wartik Lab. Don A. Durzan, Univ. of Calif.-Davis, on "Biotechnological Applications of Corfler Cell Culture."

Engineering Science and Mechanics, 3:35 p.m.,

314 Hammond. Inyong Ham on "Historical Evolution of Industrial Engineering-Manufacturing Engineering." Biology, 4 p.m., 8 Mueller, Christiane Gatz.

Thursday, Oct. 22

Ceramic Science, 11 a.m., 301 Steidle. Pradeep P. Phule, Univ. of Pitt., on "Chemical Synthesis and Processing of Electronic Ceramics."

Master Teachers Seminar Series, 3:30-5 p.m., 118 Ag Sciences and Industries.

John W. Moore Jr. on "Teaching by Discussion: Dangers and Opportunities."

Graduate Program in Ecology, 3:45 p.m., 111 Wartik. K.C. Kim on "Biodiversity, What's Worth Saving."

Graduate Program in Nutrition, 4 p.m., 117 Henderson. David Lipschitz, McClellan Veterans Hosp., on "Interrrelationships between Nutrition and Aging."

Industrial Engineering Graduate Seminar, 4:30 p.m., 314 Hammond. Anne Shoemaker, AT&T Bell Labs.

Friday, Oct. 23

School of Forest Resources, 1:25 p.m., 105 Ferguson. Steve Horsley, U.S. Forest Service, on "Influence of Deer Density on Plant-Plant Interference in the Allegheny Hardwood Forest."

Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. Roger Loring, Cornell, "Understanding Molecular Motions in Polymer Liquids."

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Matt Jackson, Northwest.

Agromony, 3:35 p.m., 101 Ag Sciences and Industries. Ron Schnabel, Agricultural Research Service, "Denitrification and Nitrogen Leaching from Two Floodplain Soils."

■ Reflects an international perspective.

## Analyst of corporate raiders gains finance professorship

A leading analyst of the behavior of corporate raiders has been honored with the Louis R. and Virginia A. Benzak professorship in finance.

Dennis P. Sheehan, associate professor in The Smeal College of Business Administration, is the co-author of such papers as "Raiders or Saviors? The Evidence of Six Controversial Investors," considered an influential work in both the academic and business communities.

More recent research includes a study of the interaction of Ted Turner and a set of outside investors in the management of Turner Broadcasting and an analysis of the pricing and liquidity effects of stock offerings.

The Benzak Professorship was created through a gift from Louis and Virginia Benzak of Rye, N.Y. A Distinguished Alumnus of the University and a Penn State Alumni Fellow, Louis Benzak is president of the investment firm of Spears, Benzak, Salomon & Farrell, Inc., New York City, and a member of The Smeal College Board of Visitors.

Dr. Sheehan joined the Department of Finance from Purdue University's Krannert School of Management, where he taught and conducted research for six years and served as finance area coordinator. Prior to his work at Krannert, he served with the University of Rochester's William E. Simon Graduate School of Business Administration and held a visiting position with the University of Chicago's Graduate School of Business.

Dr. Sheehan earned a bachelor's degree in economics from Georgetown University and a doctorate in economics from the University of California at Berkeley. He is the author or coauthor of numerous papers and working papers and has been a referee for 11 academic publications.



Dennis P. Sheehan

## Highlight on Undergraduate Education

University students will have the opportunity to work on the fastest supercomputer in the Penn State system—a state-of-the-art massively parallel computer—in undergraduate engineering classes this spring, thanks to grants from the National Science Foundation and Thinking Machines Corporation.

The Connection Machine 200 was purchased with a National Science Foundation equipment grant, a matching gift from Thinking Machines Corporation of Cambridge, MA (the CM-200 designer and builder), and matching funds from Penn State. Thinking Machines provided an additional grant to support development of undergraduate research and classroom activity using the CM-200.

The supercomputer is housed in the Department of Aero-space Engineering. Lyle N. Long, assistant professor of aerospace engineering, and Jesse Barlow, associate professor of computer science, are principal investigators for the NSF grant.

Massively parallel super computers, or computers with more than 1,000 processors, are useful in situations where large amounts of data need to be processed.

The CM-200, which operates at a peak speed of 1,280 million computations per second, is dedicated to undergraduate-related activities. It has a 256 megabyte memory, compared to a 4 megabyte memory in a typical desktop computer. Each of the processors in the IBM mainframe at University Park is capable of 133 million computations per second.

"This is the future," Dr. Long said. "All supercomputers soon will be massively parallel and they are programmed differently than any other computer undergraduates have access to. It is critical that people learn how to take advantage of these new architectures. Only a few universities offer this kind of opportunity to undergraduates."

A new upper level engineering course, featuring the supercomputer and cross-listed with computer science, will introduce students to the use and scope of the machine. Students also will use the CM-200 for senior research theses.

The unique architecture of the CM-2 offers access to data in any of its 2,048 processors (or 64 floating point

chips). The data can be shared, in parallel, among all the processors. In effect, the machine can keep millions of data elements active and changing throughout a computation.

The Connection Machine also scales easily through the addition of extra processors, growing in proportion to the data itself. A full-sized CM-200 would have 65,536 processors and be capable of 40 billion computations per second.

The United States has a goal of achieving one trillion



**Power up!** Working at the CM-200, a state-of-the-art computer—are senior aerospace honors students Chris Tatnall (seated) and Scott Reid. Looking over their work is Lyle N. Long, assistant professor of aerospace engineering and initiator of the computer purchase.

Photo: Greg Grieco

operations per second with computers such as these, Dr.

Long, a researcher in fluid gas dynamics, noted. "Fluid dynamics involves many, many degrees of freedom, so there is no way we can simplify down to a small problem. With the CM, each processor can represent a molecule or fluid particle, simulating nature and allowing us to simulate a problem in two and three dimensions without waiting for sequential operations."

Massively parallel computers are ideal for working on "Grand Challenge Problems" such as modeling ocean currents throughout the world or modeling the universe, he added.

## Agenda set for Oct. 20 Senate meeting

The University Faculty Senate will meet at 1:30 p.m. on Oct. 20 in Room 112, Kern Graduate Building.

Items to be discussed:

- Annual report of the NCAA representative.
- Summary of student petitions by college, unit, or location.
- Faculty salaries — Penn State vs. similar institutions.
- Special committee to review the University Faculty Senate:
  - 1) Final report
  - 2) Revised constitution, by-laws, and standing rules.

Items discussed at the Sept. 22 Senate meeting:

- The University Future Committee, progress report.
- Status of University construction project.
- Report on capital budget planning process.



● Awards and scholarships.

● Summary of academic renewal petitions.

● Summary of petitions for waiver of the 10 credit limit for nondegree conditional students (Student policy 14-00).

● Research policy statements.

● Faculty rights and responsibilities, annual report.

● Joint Faculty/Administrative Committee on Insurance and Benefits.

● Task Force on the Future of Health Care and Life Insurance.

● Joint Faculty/Administration Committee on Faculty/Staff Status of the Faculty/Staff Club.

Members of the University community are invited to attend this and all meetings of the University Faculty Senate.

## PROMOTIONS

### Staff Exempt

Mark A. Bodenschatz, to mechanical/electrical engineer in Office of Physical Plant.

Mark S. Brought, to advanced engineering aide in ARL.

Susan R. Cummo, to applications programmer/analyst in Corporate Controller's Office.

John W. Keller, to advanced engineering aide in ARL.

Kira L. Langston, to supervisor, Storage Retrieval and Information Release at Hershey.

Mary Ann M. Leidigh, to assistant manager in Housing and Food Services at Behrend.

Judith A. Lysiak, to supervisor in Coding and Abstracting at Hershey.

### Technical Service

Kenneth M. Meyer, to kitchen worker at Hershey.

Michelle A. Winkler, to anesthesia technician at Hershey.

Robert P. Zelensky, to food preparer B in Housing and Food Services.

# University stand against sexual harassment emphasized in meetings

Special meetings are being held this week to emphasize the strong stand that Penn State has taken against sexual harassment. The nearly 100 individuals from across the University who have been named as first line contacts for issues of sexual harassment are attending sessions to receive updates on recent court decisions and sharpen their skills for dealing with issues.

A session for eastern Pennsylvania campus locations was held Oct. 14, at Penn State Harrisburg. Contact persons from University Park and campuses in the western part of the state will attend a session at University Park Oct. 16. These programs are being presented by the Affirmative Action Office and the Human Resource Development Center.

At each college, campus and administrative unit has designated at least one individual to serve in the contact role. This network, working closely with the Affirmative Action Office, is an important part of the University's strategy for preventing and confronting issues of sexual harassment.

Any member of the University community who believes he or she may be experiencing or witnessing behavior believed to be sexual harassment should discuss the issue with one of these individuals. People who prefer not to discuss the issue with someone in their own unit may contact the Affirmative Action Office or the Campus Assistance Center directly. Often informal discussion can result in resolution of the problem.

Complaints always are handled in the most confidential manner possible, with utmost respect for all parties

involved. Individuals bringing complaints are protected against retaliation by law and University policy.

Providing these avenues for addressing harassment contributes to the University's goal of providing an environment free from illegal discrimination and harassment of any kind; one which permits everyone to work and learn to their fullest potential.

Programming in sexual harassment awareness and prevention also is available, upon request, through the Affirmative Action Office or the Human Resources Development Center.

The names of the contact persons, by unit follow:

## Campuses

**Altoona:** Mary Jo Borden, Margaret C. Hopfl, W. Dennis Stewart  
**Allentown:** Luci Wientzowski  
**Beaver:** Luke Taiclet and Donna Kuga (Faculty/Staff), Bob DeWitt and Regina Miller (Students)  
**Behrend College:** Christopher Reber, Mary Beth Peterson  
**Berks:** Susan Monk (Faculty), Doris Fraser, Judith Zebrowski (Staff), Lisa Smutreski (Students)  
**Penn State Harrisburg:** Angela Brodie, Betty Fortner, Donald R. Holtzman  
**Delaware:** Charles F. Coleman, Diane Janowski, Diane Shortner, Nancy Wyatt  
**DuBois:** Janet Yates  
**Fayette:** Patricia Hirtz  
**Great Valley:** Adele Bane  
**Hazleton:** Maureen Gaffney (Faculty/Staff), Daniel Darrow (Students)  
**Milton S. Hershey Medical Center:**

Many Ann Chavey (Students), Louise P. Sowers (Faculty/Staff)  
**Mont Alto:** Andrea Christopher  
**McKeesport:** Elsie Boucek  
**New Kensington:** Dianna Rumbaugh, Jay Schrader  
**Ogontz:** Carol Debunda, Robert McCaig  
**Schuylkill:** Jerry Bowman, Kathryn M. Melusky  
**Shenango Valley:** Phyllis Whirl, Gail Gilchrist  
**Wilkes-Barre:** Katherine F. Herstek  
**Worthington/Scranton/Maria Russoniello, Mary Brown**  
**York:** Holly Gumke

## Colleges

**Agriculture:** Jeannie L. Price  
**Arts and Architecture:** Susan Roy  
**University Arts Services:** Ok Hi Lee  
**Business Administration:** Janet McGrew (Staff), Susan Norling (Students), Benjamin Henszey (Faculty)  
**Division of Undergraduate Studies:** Diane Greenfield  
**Earth and Mineral Sciences:** Carol Vonada  
**Education:** Anna Gajar (Faculty), Toni Duchi (Staff), E. Kepler Sones (Students)  
**Engineering:** Jo Ann Stephens, Donna Schrover  
**Health and Human Development:** Pamela D. Evock (Students), Mary Taylor-Nicholson (Faculty/Staff)  
**Liberal Arts:** Jennifer Moris, Ronald L. Filippelli  
**School of Communications:** Susan Garis  
**Science:** Elizabeth Trimble, Norman Freed

## Administrative Offices

**Administrative Systems:** Carolyn Brown, John Harwood, Margaret Gearhart  
**Applied Research Laboratory:** Arlene Liddy, Janet Rockey  
**Budget and Resource Analysis:** Gabriele Michels  
**Business Services & Purchasing Services:** Linda Kopp  
**Commonwealth Education System/University Park:** Judy Marconi, Susan Shuman  
**Corporate Controller:** Angela Janney, Jon Nimberger  
**Development and University Relations:** Maggie Crispell  
**Graduate School:** Grace Condo  
**Housing and Food Services:** Jane McLaren, Sylvester E. Roy  
**Human Resources:** Rosalie Bloom-Brooks  
**Intercollegiate Athletics:** Ellen Perry  
**International Programs:** Maureen Costello  
**Intercollege Research Programs:** Grace Condo  
**Management and Systems Engineering:** William Stage  
**Nittany Lion Inn:** Robert Denney  
**Physical Plant:** Dorothy Green  
**President's Office:** Gabriele Michels  
**Student Services:** Betty Moore  
**Undergraduate Education:** Carol Findley, Laura Garver  
**University Bookstore:** Linda Kopp  
**University Health Services:** Jean Hoffman  
**University Libraries:** Cordelia Swinton  
**University Press:** Grace Condo  
**University Safety:** Pam Gerber

## FACULTY/STAFF ALERTS

### VADD coverage

Since 1964, the University has offered a voluntary plan for accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$300,000 and also provides accidental death and dismemberment coverage for dependents.

Each year November is designated as the annual election period when membership or coverage in the plan may be taken. One or more of the following actions may be taken during the annual election period: change the dollar amount of insurance coverage; change from individual coverage to family coverage or vice versa; enroll in the plan as a new member, or withdraw from the plan. Changes made during the election period this year will be effective Jan. 1, 1993.

To accomplish any of the above changes, obtain a VADD change form from your human resource representative or director of business service, complete it and send it to the Employee Benefits Division, 205 Rider Building, before Nov. 30. No action is needed to continue your current coverage.

Participation in VADD should be considered within the context of the entire benefit program. Effective Jan. 1, 1993, changes in the group life insurance program for faculty and staff not affected by a bargaining agreement make consideration of VADD even more important. The new age-graded plan contains no accidental death and dismemberment provision. This is a change from the level-premium plan which provided an additional benefit amount equal to the death benefit in the event of accidental death. If participation in the new age-graded plan is elected, the VADD program could provide additional accidental death coverage. Participation in the group life plan is not required in order to elect VADD.

Because of continued good experience in the plan, the following rates will remain in effect:

### Employee Only

Principal Sum	Biweekly	Monthly
\$10,000	\$.14	\$.30
25,000	.35	.75
50,000	.69	1.50
100,000	1.38	3.00
150,000	2.08	4.50
200,000	2.77	6.00
250,000	3.46	7.50
300,000	4.15	9.00

### Employee-Dependents

Principal Sum	Biweekly	Monthly
\$10,000	\$.23	\$.49
25,000	.57	1.23
50,000	1.13	2.45
100,000	2.26	4.90
150,000	3.39	7.35
200,000	4.52	9.80
250,000	5.65	12.25
300,000	6.78	14.70

Questions about VADD may be directed to Employee Benefits Division, 205 Rider Building, (814) 865-1473.

### Health care coverage review

Regular University faculty and staff members are urged to review periodically the deductions being taken for their health care coverage (hospital/surgical/major medical, dental and vision) to be certain

that they are paying for the correct coverage.

A change in family status may affect your cost and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage. If you haven't taken steps to indicate the change in coverage desired.

Consideration should be given to changing coverage if any of the following circumstances arises: You get married; you get divorced (or separated and no longer wish to provide spouse dependent coverage); you become the parent of a first child (note: a baby is covered automatically for 31 days following birth; however, to provide coverage beyond that time for a child, a coverage form must be completed); your only dependent child reaches age 19 (or 23 in the case of a full-time student); your only dependent child gets married; your spouse begins or ceases working for the University as a regular employee; your spouse enters military service; your spouse dies; your only dependent child dies.

If you feel a change should be made, call, write or visit the Employee Benefits Division, Room 205 Rider Building, (814) 865-1473. Faculty or staff members located away from University Park may receive assistance by contacting the appropriate director of business services or human resource officer.

The University has no way of knowing whether a change should be made, so it is the responsibility of the individual faculty or staff member to keep his or her records up-to-date. No refunds for overpayment will be made, unless it can be shown the University was in error.

## PENN STATERS

Nancy J. Butkovich, head of the physical sciences library, has received the Geoscience Information Society's 1992 Best Paper Award for her paper, "Discussion of the Use of Foreign Language Sources in Geological Journals" (GIS Proceedings).

Monty L. Christiansen, associate professor of recreation and parks, has been elected president-elect of the National Society for Park Resources.

Carolyn R. Dexter, professor of management and marketing at Penn State Harrisburg, has been appointed to a three-year term as director of international programs for the Academy of Management.

Peter W. Dillon, assistant professor of surgery and pediatrics in the College of Medicine at The Milton S. HERSHEY Medical Center, has been awarded the Ballantine Memorial Faculty Fellowship in Pediatric Surgery.

Robert B. Eckhardt, associate professor of anthropology, gave a lecture titled "Genetic and Environmental Interactions in Human Adaptation to High Altitude as a Model for Long-Term Evolutionary Change" at the Fraunhofer Institute of Anthropology and Human Genetics in Frankfurt, Germany. He also presented two papers, "The Interaction of Empirical Evidence and Genetic Theory in the Career of Franz Weidenreich," and "New Analysis of Mitochondrial Data Used to Reconstruct African and Eurasian Hominid Phylogeny since the Middle Pleistocene" at the Third International Congress on Human Paleontology in Jerusalem, Israel.

Wolfgang Ernst, professor of physics, has returned from an invited research stay at the Max-Planck Institute in Göttingen, Germany. He spoke on "Sodium Trimer and the Molecular Aharanov-Bohm Effect" at the institute and at the Free University of Berlin and also gave lectures on "Laser Spectroscopic Investigation of Molecular Structure and Dynamics" at the University of Jena and the University of Dusseldorf.

Turgay Ertekin, professor and chair of petroleum and natural gas engineering in the College of Earth and Mineral Sciences, has been appointed executive editor of *SPE Formation Evaluation Journal*, one of the top journals in reservoir engineering.

Lynne V. Feagans, professor of human development, presented a paper, "The Effect of Otitis Media and Day Care Quality on Infant/Toddler Attention Processes," at the Children at Risk Conference, in Bergen, Norway.

Iwvin Feller, director of the Graduate School of Public Policy and Administration and professor of economics, gave the keynote address, "Institutional Innovation for Technological Innovation," at the 46th annual meeting of the National

Conference for the Advancement of Research in New Mexico.

Burt Fenner, professor of music, has been invited to compose a clarinet concerto to be recorded by acclaimed clarinetist Richard Stoltzman and the Warsaw Philharmonic Orchestra in 1994 for the Master Musicians Collective project.

Linda Friend, associate librarian, and Helen Smith, senior assistant librarian, have received the American Library Association Publishing Committee's Whitney-Carnegie Award for their publication, *Eating Disorders Bibliography and Research Guide*.

Gideon Golany, distinguished professor of urban design, presented the keynote address "Urban Design Morphology and Thermal Performance," at the Second Tokyo University Conference in Fukuoka City, Japan.

Kathleen Haefliger, associate librarian, presented an invited paper titled "The Fred Waring Archive at Penn State: Processing a Multimedia International Association of Music Libraries, Archives and Documentation Centres in Frankfurt Am Main, Germany."

Gordon Hamilton, professor of chemistry, has accepted an invitation to serve a four-year term as a member of the National Institutes of Health Physical Biochemistry Study Section, Division of Research Grants.

Medhi Khosrowpour, associate professor of information systems at Penn State Harrisburg, has been appointed editor-in-chief of the *Journal of Database Management*.

Anne Lazaraton, assistant professor of speech communication, was a visiting scholar at Cambridge University's Local Examination Syndicate in Cambridge, England, where she conducted research on the development of the Cambridge Assessment of Spoken English (CASE) oral interviewing procedure for nonnative speakers of English.

Digby D. Macdonald, director of the Center for Advanced Materials and professor of materials science and engineering, received a Student's Visiting Lectureship at the University of Natal in Durban, South Africa. While there, he presented research seminars at MINTEK in Randburg and the Atomic Energy Corporation of South Africa Ltd. in Pretoria. He also presented a seminar, "Stress Corrosion Cracking in Water Cooled Nuclear Reactors," at Union Electrica Fenosa, an electric utility in Spain, and an invited paper titled "Impedance Methods in Electrochemistry" at the Frumkin Institute of the Russian Academy of Sciences in Moscow.

James Mortensen, professor of agricultural education and associate dean

for resident education in the College of Agricultural Sciences, has been named international president-elect of Gamma Sigma Delta, the national honor society of agriculture.

Philip Mosley, associate professor of English and comparative literature at the Penn State Worthington Scranton Campus, presented papers on the films of the Belgian director, Andre' Delvaux, to the World Congress of the International Council of Francophone Studies in Strasbourg, France, and to the British Comparative Literature Association Conference at the University of Warwick, England.

John H. Pazar, professor of biochemistry, presented a lecture on anticarbohydrate antibodies at the 16th International Carbohydrate Symposium in Paris, France.

John B. Shea, associate professor of exercise and sport science, spent a month as a visiting scholar at the Max Planck Institute for Psychological Research, Munich, Germany.

Gloriana St. Clair, assistant dean, Information Access Services Division, University Libraries, presented three invited papers and participated in a panel discussion at the Tolkien Centenary Conference held in Oxford, England.

Jacob L. Susskind, assistant professor of social science and education at Penn State Harrisburg, has been awarded a Fulbright Teacher Exchange grant to teach at the Tokolignac, Ginnazium, Godollo, Hungary.

Elizabeth J. Susman, professor of biobehavioral health, human development and nursing, currently is a visiting professor at the Harvard University School of Public Health. She serves on the Core Scientific Group of Harvard's Program on Human Development and Criminal Behavior, a research effort focused on the developmental paths that lead to delinquency, criminality and violent behavior.

Eliot S. Vesell, chairman and Evan Pugh and Bernard B. Brodie Professor of Pharmacology in the College of Medicine at The Milton S. HERSHEY Medical Center, has been elected a fellow of the Royal Society of Medicine, considered one of the highest honors in academic medicine.

Luci Wienzowski, director of university relations at the Penn State Allentown Campus, has been appointed by Governor Casey to serve as a trustee of the Eastern State School and Hospital in Treove.

Sherry L. Willis, professor of human development, has been elected president-elect of Division 20 (Adult Development and Aging) of the American Psychological Association.

## CIC conference to be held at Nittany Lion Inn

Associate and assistant deans of liberal arts and sciences at the Big 10 universities will meet at University Park for their annual Committee on Institutional Cooperation conference, Oct. 25 through Oct. 27 at the Nittany Lion Inn.

The conference, held at the University for the first time, will focus on the state of undergraduate education at Penn State. John A. Brighton, executive vice president and provost, will open the conference with following remarks by James M. Ramebe, associate dean of undergraduate education. Norman Freed, associate dean for resident instruction in the College of Science, is coordinating the conference.

The program includes presentations on freshman placement by Eric R. White, director of the Division of Undergraduate Studies, and on instructional resources by Jon T. Harwood, associate director of the Center for Academic Computing.

Susan Welch, dean of the College of the Liberal Arts, and Gregory L. Geoffroy, dean of the Eberly College of Science, will open the afternoon sessions, which include a presentation on honors programs by Gerard A. Hauser, director of the University Scholars Program.

The Committee on Institutional Cooperation, established in 1958, is an academic consortium of 12 major research universities. Its programs and activities encompass all aspects of university activity except intercollegiate athletics. More than 70 CIC groups of faculty members and administrators meet regularly to exchange information and views.

Other member institutions of the CIC are: the University of Chicago, the University of Illinois, Indiana University, the University of Iowa, the University of Michigan, Michigan State University, University of Minnesota, Northwestern University, Ohio State University, Purdue University and the University of Wisconsin at Madison.

For more information, contact Dr. Freed at (814) 863-0284.

## Arts Continued from Page 6

Michael Tilson Thomas conducting, at 3 p.m. Sunday, Nov. 1, at Avery Fisher Hall in New York City.

On the basis of recordings made of its recent performances, the Concert Choir was invited by Michael Tilson Thomas to perform the Fourth Symphony of Charles Ives with the New World Symphony in Eisenhower Auditorium at University Park at 8 p.m. Friday, Oct. 30, as part of the Center for the Performing Arts season and then join the Symphony in New York City for the Nov. 1 performance in Lincoln Center's Avery Fisher Hall.

The Penn State Concert Choir, under the direction of D. Douglas Miller, is an ensemble of 66 mixed voices, selected each fall from the University Park student body. Approximately one half of its members are music majors. The balance of the choir is drawn from nearly every college of the University.

For ticket information for the Oct. 30 University Park performance, contact the Eisenhower Auditorium Ticket Center at (814) 865-0255.

For ticket information for the Avery Fisher Hall concert, call (212) 721-6500.



# Focus on Research

Intercom  
October 15, 1992



## Urban sprawl steals breeding grounds, threatens songbird population

The spread of urban America is causing a progressive decline in the number of migratory songbirds, even in areas once thought to be bird havens, according to a University researcher.

Recent talk of the destruction of tropical rainforests, the winter home of these songbirds, is only part of the story of the decline in the number of these birds, according to Margaret Brittingham, assistant professor of wildlife resources.



Fragmented areas like this help contribute to the loss of songbirds in the U.S.  
Photo: Greg Grieco

In addition to dangers posed by power lines and tall buildings during migration, songbirds must now face the problem of shrinking breeding grounds — altered in some cases for the benefit of other species.

There is a notable decline in the number of songbirds, like warblers, thrushes and vireos, migrating every year

from the neotropic regions of South and Central America," Dr. Brittingham said. "A major factor in this significant decline is urban sprawl and the fragmentation of forest areas."

Forest fragmentation in the United States leaves songbird nests open to predators like raccoons, grackles, crows and blue jays. In suburban areas where developers have left small woodlots intact, songbird nests fall prey to dogs, cats and human interference.

Dr. Brittingham explained that even on state game lands, the wildlife management technique of fragmenting forests to create edge areas where game species can feed has had detrimental effects on songbird habitats. Creating edges in forest areas increases the amount of sunlight, promotes more rapid plant growth and attracts insects — food

sources for woodland dwellers.

"It's a double-edged sword, however," she said of the practice that aids some species yet leaves others open to dangers, like predation. "The percentage of nests that succumb to predators or are parasitized is directly related to the distance into the wooded area where the nests are located."

In a recent study of wooded areas near both urban sites and farmlands, Dr. Brittingham and graduate student Kristi Sullivan discovered that birds nesting on or near the ground were much more abundant in the interior of the forest than those nesting near the edge. In forests bordered by urban areas, there were virtually no ground nesters. Because ground nesters are the most susceptible to predation, they are the first to disappear when suburban development encroaches.

In another study, Dr. Brittingham and graduate student Jeff Hoover found that the reproductive success of songbirds is also greater in large forest areas rather than small woodland patches. The researchers attribute this phenomenon to the fact that in larger woodlots more nests are placed farther from an edge or opening, leaving them less vulnerable.

Studies of rates of parasitization — where another bird species ejects songbird eggs from the nest and lays its own eggs — revealed comparable findings.

The issues of predation, parasitization and low reproduction are critical since migratory birds have smaller clutches of eggs and fewer broods per year than resident bird species. Dr. Brittingham is continuing

the study of migratory songbirds by comparing nest success in both urban and agricultural areas, and the reproductive success of specific species.

"Between 60 and 80 percent of the forest songbirds we see in summer in the Eastern United States are migratory songbirds," she said. "We need extensive core areas of forest to safeguard these nests. We need to establish a buffer zone because as urbanization continues, the impact on these birds will become even more noticeable."

Because birds are necessary for pollination and controlling the insect population, there could be long-term ecological consequences to face. The researcher says the decline in songbird numbers will continue, unless steps are taken to preserve large tracts of forest areas for breeding grounds.

"The migratory songbirds are part of a larger web of life," Dr. Brittingham said. "In addition to being some of our most beautiful birds and best singers, they provide a number of ecological services."

"We don't know what the loss of one particular species will mean. It's like a book; if you tear out every tenth page, eventually you won't be able to understand the story."

— Lisa M. Roselini



Margaret Brittingham inspects the ground for songbird nests.

Photo: Greg Grieco

Eberly College of Science

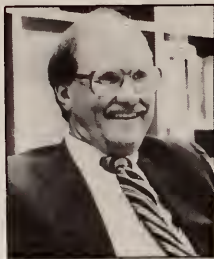
# CEO honored as Alumni Fellow

Terry Loucks, president and founding CEO of PerSeptive Biosystems, Inc., will be honored as an Alumni Fellow of the Eberly College of Science Oct. 15 to 17 at University Park. During his visit, he will receive an Alumni Fellow Medal and will have the opportunity to meet with faculty and students.

A physicist by training, Dr. Loucks is best known as a corporate executive and entrepreneur. He was a member of the physics faculty at Iowa State University and director of the science center at Rockwell International before cofounding his first company, GeoSource, in 1973.

Since 1978, he has played a major role in the formation of six technical companies—all of which have been publicly traded or acquired by larger firms—among them, Nexis (acquired by Lexis); CompuChem, Inc.; Environmental Test, Inc.; Vitessce Electronics, Inc.; and American Superconductor Corp., Inc. In addition, he has held vice presidencies at Rockwell International, Mead Corporation, and Norton Company.

Dr. Loucks, who is a Fellow of the American Physical Society and was honored with an Alfred P. Sloan Fellowship, has served on the industrial advisory boards of the Massachusetts Institute of Technology, Cornell National Facility for Submicron Structures, and Boston University's Center for Technology and Policy. He has spent much of the past two years



Terry Loucks

cruising the Caribbean as captain of the sailing vessel *Integrale*.

A 1963 Penn State graduate with a doctoral degree in physics, Dr. Loucks earned his bachelor's and masters' degrees in petroleum engineering at the University of Tulsa. In 1989, Tulsa honored him with its distinguished alumnus award.

The Alumni Fellow Award, the highest honor given by the Penn State Alumni Association, is administered in cooperation with the academic colleges. The Penn State Board of Trustees has designated the Alumni Fellow title as permanent and lifelong.

NEWS IN BRIEF

### Chevrolet's Collegiate Scholarship

The Office of Student Aid announces the availability of the Chevrolet Collegiate Scholarship for institutions playing Notre Dame in football this year at Notre Dame's home field.

Candidates for this award must be of senior semester standing as of fall '92; have a cumulative GPA of 3.0 or greater; demonstrate financial need (as determined by the Office of Student Aid) and also exhibit leadership through participation in college or community service.

To be considered, students should stop by the Office of Student Aid at 315 Shields for an application. The deadline for filing is Nov. 2. For further information, contact Bronwen Wagner, Office of Student Aid, 865-6301.

### Special population swims

The McCoy Natatorium at University Park offers special swimming sessions for special populations Monday through Friday from 10 to 11 a.m. This hour is reserved for any faculty, staff, student or other individual with disabilities who have difficulty getting exercise through other physical activities. Non-swimmers also are welcome in this program.

Qualified instructors and volunteers are available to assist individuals with special needs in the water. Senior citizens also can participate at this time. There is no charge for the program, but all individuals must purchase either a daily or semester swim pass. For more information call 865-1432.

### Proposals sought

Proposals are being sought for the inaugural Conference on Educational Innovation to be held March 19 and 20, 1993, at University Park.

Goals of the conference, to be held in conjunction with Penn State's annual Computer Fair, are: to share interesting innovative educational programs and practices; to demonstrate new products useful in progressive educational environments; to discuss the formation of consortia and other alliances to promote edu-

catinal innovation; to review, preview, and call for changes in educational legislation.

For additional information or proposal presentation forms, contact Randall D. Carlson, 250 Chambers Building, University Park, (214) 865-2220. Proposals should be submitted by Oct. 23.

### Oktoberfest

The newly formed Faculty/Staff Club will sponsor its first social activity with an Oktoberfest from 5 to 7 p.m. Monday, Oct. 19, in the Nittany Lion Inn Ballroom.

Since Oct. 19 is the evening before the Faculty Senate meets, all senators have been sent a special invitation. To help defray costs, members will be assessed a \$2.00 cover charge. Those faculty and staff who are not members, but would like to join the Club, can do so at Oktoberfest. The annual membership fee is \$25.00, which includes two lunches at the Club (located in the Penn State Room at the Nittany Lion Inn) and the opportunity to attend any social and special events the Club sponsors.

For more information, contact Sally Kalin (865-0672, swk@psu.edu) or Sandy Edwards (863-4012), co-chairs, Programming Committee, Faculty-Staff Club.

### Television programming note

John A. Brighton, executive vice president and provost, will appear on a special 15-minute television program to discuss the work of the University Future Committee. The program, titled "A Conversation with John Brighton," will be telecast on both WPSX-TV in the central Pennsylvania region and through large parts of the state on the cable channel Pennarrama.

WPSX-TV will telecast the show at 5:45 p.m. Wednesday, Oct. 21. Pennarrama will carry the interview at 8:15 p.m. Wednesday.

The University Future Committee was formed by President Thomas last spring to help reshape Penn State during the 1990s.

OBITUARIES

Susan B. Hoffman, admissions counselor, Admissions and Registrar, from June 1, 1924, until her retirement March 24, 1967, died Aug. 28 at the age of 86.

Faye S. Jamison, counter attendant, Housing and Food Services, from Nov. 15, 1960, until her retirement Aug. 30, 1971, died Sept. 1. She was 82.

Timothy C. Oravec, extension assistant in the College of Agricultural Sciences since Sept. 16, 1985, died Sept. 8 at the age of 36.

Foster E. Rowe Jr., environmental health worker, Hershey Medical Center, from July 28, 1980, until his retirement Jan. 17,

1991, died Sept. 7 at the age of 63.

Merrill Wood, retired associate professor of zoology, died Sept. 23 at the age of 84.

He received the bachelor of science degree in 1932 and the master of science degree in 1934, both from Penn State. He was a member of the University faculty for 38 years, retiring in 1973.

A member and past president of the Eastern Birdbanding Association, Professor Wood also was a member of the State College Bird Club, the State College Color Slide Club and the American Ornithological Union. He was the author of *Birds of Pennsylvania*.

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October 15, 1992  
Vol. 22, No. 9

PENNSTATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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**Homecoming '92** Queen Candice Anderson and King John Mitchell gave plenty of royal waves last weekend during Homecoming activities at University Park.

Photo: Greg Grieco

## Open house set for computer training center

The Wagner Computer Training Center will hold its second annual Open House in Rooms 116 and 117 Wagner Building at University Park from 2 to 4 p.m. Monday Oct. 26.

Louise Sandmeyer, director of the Continuous Quality

training using IBM and Macintosh computers. Each lab has an instructor station with color projection.

The stations allow students to view their instructor's examples on an overhead screen while following along on their own computers. Over 40 courses are taught at the Center using 42 different software packages. All courses are taught by qualified instructors from within and outside the University community.

The Wagner Computer Training Center is a coordinated effort between Computer & Information Services, Center for Academic Computing, the Human Resource Development Center, and the Office of Administrative Systems.

Computer & Information Services staff are responsible for operating the Center. The center's administrative computing courses are offered jointly through the Office of Administrative Systems and the Human Resource Development Center. The Center for Academic Computing provides seminars at the Center to students, faculty and VM/CMS users.

### Office of Administrative Systems

The Office of Administrative Systems offers training in centralized Administrative Information Systems (IBIS and ISIS) as well as EMCZ/TAO

electronic mail, Report Management

Distribution Systems (RMDS) and other

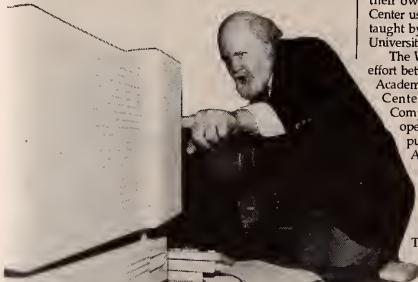
microcomputer courses. RMDS allows

administrative users to access and view

reports before they are printed. The RMDS

course is designed to help reduce the problems and costs associated with printing, storing, and distributing large quantities of report data. Most of the administrative computing courses are held in the Wagner Training Center.

All administrative computing courses are advertised in



**Keeping up in the computer age** ... Vincent Lewis instructs a Word Complete course in Wagner Training Center's Macintosh Lab.

Photo: Greg Grieco

Improvement Center; Eric Bengston, coordinator, Support Center for the CES Systems Office, and Jeff Rich, manager of the Microcomputer Order Center, will give presentations. All faculty, staff, and administrators are invited to attend.

The Wagner Training Center supports the University's efforts to promote microcomputer and mainframe productivity at all campuses. The Center's two labs provide hands-on

### College of Education

## Program for quality could be first of its kind

In what may be the first university-based program of its kind, the College of Education has established the Center for Total Quality Schools.

Center Director William T. Hartman, professor-in-charge of the Educational Administration Program, said that the Center will work toward transferring concepts of total quality leadership in industry to schools. In teaching TQI principles, the center will help remove the boundaries that have been set in schools so that teachers' professional creativity can be released.

"This represents a total change in thinking, but teachers will again find the enthusiasm and joy in teaching what they know their students need to be successful in today's society," Dr. Hartman said. The center will accomplish this through training programs and the commitment of financial and human resources.

As industry looks to schools to help educate students in the concepts of quality, so schools will be looking to business and industry in their communities to become partners in the effort by contributing financial assistance and expert guidance. The financial assistance will, in some cases, enable school district teams to be trained in TQI principles and to train others in turn.

"This is what's unique, I think, about our program," Dr. Hartman noted. "We are asking businesses to become involved in the change process. In every community we have visited and in every meeting we have attended, businesses have been very supportive and have participated fully. Over the years, businesses, too, have been frustrated by their inability to affect schools. This center will enable them to participate in the process in a structured, positive way."

The center will provide training programs; offer graduate and undergraduate credit courses on TQI; develop training materials; and host presentations by major TQI experts. The center also will conduct research on total quality and provide support for successful implementation in TQI schools.

The training program began in September, when the Center initiated its first year-long series with 10 school districts and 4 intermediate units in attendance. This first seminar, "Quality: The Challenge for the 1990s," introduced the concepts of quality with keynote speaker David Lather, vice president for quality, Coming Inc.

Subsequent training sessions, nine over the 1992-93 school year, will focus on topics such as "Transformational Leadership," "The Customer-Driven Organization," "Systems and Variation," "Continuous

**DIVERSITY OPPORTUNITIES CALENDAR**

**Saturday, Oct. 24**  
Office of Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "External Funding and Proposal Development" is the second in a series of faculty development workshops. **Baiba Briedis**, College of Liberal Arts coordinator of grants and contracts, will be the speaker. To make reservations, contact **Leah Witzig** at 853-1653. All junior faculty are welcome to participate.

**Sunday, Oct. 25**  
Approximate date of religious holiday **Diwali** (Festival of Lights); exact date dependent upon lunar cycle.

**Wednesday, Oct. 28**  
Center for Women Students, noon to 1 p.m., 120 Boucka Building. Brown bag lunch discussion titled, "How to Select a Therapist," by **Joyce Hilder-Kaye**, Center for Counseling and Psychology Services associate director.



Learning to cope... John Brighton, executive vice president and provost, speaks to staff members at a recent workshop titled, "Coping Strategies II: Working in a Predominantly White Environment," sponsored by the Center for Minority Staff Development. Dr. Brighton was one of six top administrators who made presentations and met informally with staff members.

Photo: Greg Grieco

**PENN STATERS**

**William L. Boyd**, professor of education, was invited to Sweden, as a guest of the Sweden's National Agency for Education, to appear on a seminar panel with the Minister of Schools and to be the keynote speaker at a conference, at the University of Stockholm, on policy issues in a partial choice of schools.

**Eleanor L. M. Crowder**, associate director of the graduate program in the School of Nursing, has been elected president-elect of the American Association for the History of Nursing.

**Frederick DeMico**, associate professor of hotel, restaurant, and institutional management, has been appointed to the National Food Service Institute's research advisory group.

**Lynne V. Feagans**, professor of human development, has been elected to serve on the Practice Guideline Panel for Treating Otitis Media in Children, a 15-member group of experts and consumers who will develop treatment guidelines for physicians.

**Inyong Ham**, distinguished professor of industrial engineering, has been elected vice president of the International Institution of Production Engineering Research. He also presented a paper at the first CIRP International Workshop, "Concurrent Engineering for Product Realization," in Tokyo, Japan, and spoke on "AI Applications for Manufacturing" at the 2nd Pacific RIM International Conference on Artificial Intelligence in Seoul, Korea.

**Sanjay B. Joshi**, assistant professor of industrial and management systems engineering, presented two papers, "Format Models for Control of Flexible Manufacturing Systems" and "Shop Floor Scheduling and Control: A Systems Approach" at a joint German/U.S. conference on "Recent Developments and New Perspectives of Operations Research in the Area of Production Planning and Control" in Hagen, Germany.

**Soundar R.T. Kumara**, associate professor of industrial and management systems engineering, and doctoral student **Sagar V. Kamarthi** presented a paper, "Neural Networks in Conceptual Design" at the 41st International Institution of Production Engineering Research Conference in France.

**Sara Parks**, associate dean for the Commonwealth Educational System in the College of Health and Human Development, has been elected president-elect of the American Dietetic Association. She also has been appointed to the National Food Service Institute's general advisory board.

**Adele Proctor**, associate professor of communication disorders, presented a paper titled "A Tactile Aid Articulation Test" at the Second International Conference on Tactile Aids, Hearing Aids and Cochlear Implants in Stockholm, Sweden. She also presented a paper titled "A Calibration Protocol for Single Channel Vibrotactile Aids" at the 14th International Congress on Acoustics in Beijing, China.

**Frank Swetz**, professor of mathematics and education at Penn State Harrisburg, gave a plenary address, "The Enigmas of Chinese Mathematics," at the International Conference of the Study Group on the History and Pedagogy of Mathematics in Toronto. He also served as a reactor for history papers delivered at the International Congress of Mathematics Education in Quebec.

**Jose Ventura**, associate professor of industrial and management systems engineering, presented a paper, "An Edge Pattern Matching Method to Determine the Pose and Dimension of Polygonal Shapes" at a joint German/U.S. conference on "Recent Developments and New Perspectives of Operations Research in the Area of Production Planning and Control" in Hagen, Germany. He also presented a paper titled "A New Method for Constructing Minimal Broadcast Networks" at the EURO XII/TIMS Joint International Conference in Helsinki, Finland.

**Fred W. Vondracek**, professor of human development, spent two months as a visiting scholar at Kansai University in Osaka, Japan. He also presented invited lectures at Nara University of Education and at the Japan Institute of Labor in Tokyo.

**Kenneth Wilkinson**, distinguished professor of rural sociology, has been elected president of the International Rural Sociology Association (IRSA) for 1992-96.

**OBITUARIES**

**Samuel S. Dubin**, professor emeritus of psychology in the Division of Continuing Education, died Sept. 8 at the age of 78.

A graduate of Oberlin College, he received a master's degree in psychology from Columbia University and a doctorate in psychology from the University of Illinois.

He joined the Penn State faculty in 1961 and retired in 1979. From 1979 to 1982, he was director of the Center for Human Performance Systems and professor of organizational behavior at the Institute of Safety and Systems Management, University of Southern California of Los Angeles, Calif.

The author of many books, reports and articles, he was a Sigma Xi lecturer from 1976 to 1978.

A diplomate for Industrial and Organizational Psychology, he was a fellow of the American Psychological Association, the Pennsylvania Psychological Association, and Sigma Xi. He also was a member of the American Society for Engineering Education and the Human Factors Society.

Dr. Dubin endowed the Lydia S. and Samuel S. Dubin Lectureship in Continuing Education Research and Retraining at Penn State, the first endowed lectureship to be created in Continuing Education.

**Virginia C. Frank**, former head librarian and assistant professor at the Applied Research Laboratory, died Sept. 1. She was 76.

She received her bachelor of arts degree in natural science in 1936 from Waynesburg College and her master's degree in biology in 1938 from the University of Colorado.

Prior to joining the Applied Research Laboratory in 1960, she taught at Waynesburg College and at Hubertburg School. She retired April 1, 1977.

**Harriet Diven Nesbitt**, retired associate professor of speech, died Sept. 10. She was 90.

A graduate of Westminster College, New Wilmington, Pa., and Emerson College in Boston, Mass., she received an honorary master's degree from Emerson College.

She joined the faculty in the Department of Speech in 1937 and introduced the subject of oral interpretation to the department curriculum and began the Pennsylvania Intercollegiate Reading Festival at Penn State. She retired July 1, 1967.

**Grace I. Miller**, manager, continuing education — budget accounting, Commonwealth Educational System, from Dec. 10, 1956, until her retirement April 1, 1988, died Sept. 9 at the age of 64.

**FACULTY / STAFF ALERTS**

**Prescription drug plan**

Faculty, staff and retirees who have prescriptions filled at the University Health Services (Stouffer) pharmacy under the Maintenance Prescription Drug Plan (MPDP) are reminded that the pharmacy will be closed for several days over the Thanksgiving and Christmas holidays.

The pharmacy will not be open from Thursday, Nov. 26, through Sunday, Nov. 29, and from Thursday, Dec. 24 through Sunday, Jan. 3.

Those individuals who will need prescriptions filled in November and December are urged to request the service in advance of those dates as prompt service cannot be guaranteed at the last minute.

MPDP users also are reminded that Interoffice and U.S. Mail services may be used when ordering prescription drugs. Prescription refills may be ordered by calling the pharmacy (865-9321).

Questions about the MPDP may be referred to the pharmacy or the Employee Benefits Division (865-1473).

**Search committee to identify candidates for dean post in College of Arts and Architecture**

A search committee has been appointed to identify candidates for the position of dean of the College of Arts and Architecture. Rodney J. Reed, dean of the College of Education, will chair the committee.

Other committee members are: Kenneth J. Foster, director, Center for the Performing Arts; Elizabeth J. Garber, assistant professor of art education and women's studies; Yvonne M. Gaudin, graduate student, Art Education; Anne A. Gibson, professor of theatre and drama; Lara M. A. Glendon, undergraduate student, Architecture; Grace Hampton, vice provost; Veronica Burns Lucas, assistant professor of landscape architecture.

Romulo Martemucci, associate professor of architecture; George L. Maurer, distinguished professor of art history and director, Institute of the Arts and Humanistic Studies; Moylan C. Mills, professor and head, Department of Integrative Arts; Ozyunc Campus; Dale E. Monson, associate professor of music; Anne Palmer Moss, board member, Pennsylvania Centre Stage.

The committee has begun to review applications and will continue until a successful candidate is identified. Nominations and applications may be submitted to Rodney J. Reed, chair, Arts and Architecture Dean Search Committee, Room 201 Old Main (Box PS), University Park.

**Penn College receives DOE operations grant**

Pennsylvania College of Technology's Weatherization Training Center has been awarded an operations grant of \$239,112 for the 1992-93 year from the U.S. Department of Energy through the State Department of Community Affairs, Bureau of Human Resources.

The center offers training for weatherization professionals employed by non-profit community action agencies providing home energy conservation assistance to low-income clientele.

The center has been located at the College since 1982, and is the only facility of its kind in a six-state region.

**Seven travel agencies named as service providers by University**

The University has announced the award of contracts to seven travel agencies to provide contracted travel agency services to the University faculty and staff. They are:

■ **Carlson Travel Network/Professional**  
234-C East College Avenue  
State College, PA 16801  
814-237-7809  
800-326-9680  
FAX: 814-234-8537

■ **Carlson Travel Network/Nittany**  
2603 East College Avenue  
State College, PA 16801  
814-238-2722  
800-359-0068  
FAX: 814-238-8536

■ **Centre for Travel**  
114 Hiestor Street  
State College, PA 16801  
814-238-7301  
800-245-1245  
FAX: 814-238-7461

■ **McAdams Travel World**  
103 East Beaver Avenue  
State College, PA 16801  
814-237-6643  
800-628-7285  
FAX: 814-237-1448

■ **Omega World Travel**  
216 West College Avenue  
State College, PA 16801  
814-238-6900  
800-522-1458  
FAX: 814-238-1204

■ **Omega World Travel**  
Benedum Trees Building  
223 Fourth Avenue  
Pittsburgh, PA 15222  
412-765-3636  
800-284-8747  
FAX: 412-765-3685

■ **Universe Travel**  
240 South Pugh Street  
State College, PA 16801  
814-234-1822  
800-872-8327  
FAX: 814-234-0510

■ **World Wide Travel**  
221 Rohersdown Road  
Regency Square  
Lancaster, PA 17603  
717-394-6997 or 814-234-9760  
800-525-2033  
FAX: 717-394-7682

■ **The York Bank Travel Agency**  
57 West Market Street  
York, PA 17401  
717-846-8201  
800-346-9675  
FAX: 717-771-0697

Use of these agencies will make available added services and advantages to the faculty and staff. Included in these services are free ticket delivery; 24-hour reservation service; no service fees for passports, visas and travelers cheques,

and direct billing services for airline, rail and car rental transactions. Most importantly, travelers will be guaranteed the lowest available fares on airline and rail tickets and the lowest available hotel and car rental rates.

All transactions made through the contracted travel agencies will be audited nightly prior to departure for lowest fare and quality controlled by a third party audit. Where there is a reduction in fare, tickets will be reissued at the lower fare. Should the traveler not receive the lowest available fare, the agency will reimburse double the difference in the fare paid.

Commission sharing received through the contracted travel agencies will be returned to the individual's departmental budget.

The contracted travel agency contracts were effective Oct. 1, and the agency names have been added to the Direct Billing Authorization (DBAF) form and are available for immediate use for the purchase of all travel services and the direct billing of all airline and rail charges.

Penn State currently offers the American Express Corporate card to all full-time faculty, staff and graduate assistants for the purchase of business travel services. The card has no annual fee and no credit limit. The cardmember is responsible for all charges and the bill is payable on receipt with no interest assessed.

In addition, the University will be offering the Citicorp Diners Club Corporate Card for the purchase of business travel services. This card also has no annual fee and no credit limit. The cardmember is responsible for all charges and the bill is payable on receipt with no interest assessed. In addition,

**Commission sharing received through the contracted travel agencies will be returned to the individual's departmental budget.**

tion to the standard corporate card services, two important new services are being made available through the Diners Club card. Free Primary Loss Damage Waiver (LDW) insurance is being provided worldwide on any car rented. This free coverage was previously only available through the Big Ten Hertz contract. Now it will be made available worldwide with any car rental agency.

Diners Club also provides cash advances through Automatic Teller Machines (ATMs) at over 80,000

worldwide locations financed through the corporate card. A \$6.00 transaction fee is assessed for each cash withdrawal.

Faculty and staff may choose to

**Travelers will be guaranteed the lowest available fares on airline and rail tickets and the lowest available hotel and car rental rates.**

have the American Express Corporate Card, the Diners Club Corporate Card or cards. The Diners Club applications will be made available Dec. 1. American Express applications currently are available in Travel Services.

The Travel Management Program also will be offering direct billing of all added services. This service will be available through use of the Diners Club Corporate Card. Authorization for direct billing of rental cars will be obtained through the electronic EASY Direct Billing Authorization Form (DBAF) currently being used for airline and rail tickets. This service is expected to be operational Dec. 1.

All travelers are reminded of the Travel Services Bulletin Boards, EMC2 Travel Service-UPD bulletin board and CAC psnews travel services. These bulletin boards are used to post time critical information as well as other travel related articles. Travelers are encouraged to check the bulletin boards regularly for information that may be of interest.

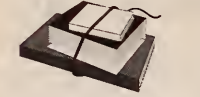
Informational meetings further explaining the added services through the Travel Program will be conducted. These meetings will be open to any faculty and staff who wish to attend.

In addition, a Travel Forum will be held with the various travel suppliers participating. This facility will provide an opportunity for faculty and staff to meet with the suppliers and obtain information on their services.

In late November Travel Services will be distributing detailed information to all faculty and staff concerning the program. Administrators and department heads are encouraged to contact the Travel Services Office at 865-0395 or arrange a presentation.

Marguerite L. Fink, travel coordinator, administrator, University Travel Management Program. Her office is located at 518 Rider Building. Any questions may be addressed to the office at 865-0395 or E-Mail MLFZ@PSUADMIN.

## B O O K



## S H E L F

Alan A. Block, professor of administration of justice, is co-editor of *War on Drugs: Studies in the Failure of U.S. Narcotics Policy* (Westview Press). A collection of essays, the book addresses the failures of the United States drug policy and the reasons behind them. One of the most pervasive reasons, which is addressed by several contributors to this book, is that U.S. intelligence organizations have long abetted the international traffic in narcotics as they carried out their cold-war missions. This point is rigorously argued and documented in the essays focusing on Latin America, Southeast Asia and Pakistan.

With contributions from historians, criminologists, sociologists, political scientists, journalists and policy analysts, the book provides a complete survey of U.S. narcotics policy in relation to Latin America's cocaine traffic and Asia's heroin trade.

Dr. Block also is author of *The Business of Crime: A Documentary Study of Organized Crime in America*, Westview Press, also published by Westview Press.

Parris H. Chang, professor of political science and director of the East Asian Studies Center, is co-editor of *If China Comes the Third Taiwan Strait Crisis: The International Response*, published by University Press of America.

A collection of essays on the uses of force, principles of deterrence and other pertinent issues, the book is an in-depth study of the threat posed by the People's Republic of China. Taiwan's security and the probable international response in case of a conflict in the Taiwan Strait.

Included in the book is Dr. Chang's article, "Beijing's Relations with Taiwan." His publications include the books *Power and Policy in China and The Rule of Old Men in China: Policy Issues and Prospects for the Future*.

Co-editor Martin L. Lasater, former instructor and associate at the East Asia Studies Center at Penn State, is now living in Taiwan.

Gregory S. Forbes, associate professor of meteorology; E. Willard Miller, former emeritus of geography; Robert F. Schmalz, professor emeritus of geosciences, and S. K. Majumdar of Lafayette College are co-editors of *Natural and Technological Disasters: Causes, Effects and Preventive Measures*, published by the Pennsylvania Academy of Sciences.

The book recognizes that natural and technological disasters are a normal part of life and that in every disaster, the physical and social infrastructure fails to protect people from conditions that threaten their well-being. The basic reason for concern with disaster is then to reduce human suffering and social disruptions. The book

This volume is divided into five parts beginning with chapters that consider the problems of disasters and the challenge of reducing their devastation. The second part considers natural disasters such as earthquakes and floods. This is followed by chapters on technological disasters such as oil spills, radioactive waste contamination and airplane disasters. Part four is devoted to risk assessment and preparedness. The volume concludes with chapters on human value consequences such as ethical dilemma or posttraumatic stress disorders.

Other authors from Penn State are Charles A. Langston, Department of Geosciences; William B. White, Department of Geosciences; Elizabeth L. White, Department of Civil Engineering; Stephen R. Couch, Department of Sociology, Schuylkill Campus; J. Stephen Kroll-Smith, Department of Sociology, Hazleton Campus; Lakshman S. Yapa, Department of Geography; and Ruben J. Echemendia, Department of Psychology.

Nancy L. Herron, director of academic affairs at the Penn State McKeesport Campus, is the editor of *The Leisure Literature: A Guide to Sources in Leisure Studies, Fitness, Sports, and Travel*.

The guide identifies, describes, and organizes 283 of the best and most useful English-language reference sources related to the three largest, fastest-growing, leisure activities: sports, fitness, and travel/tourism.

Subject-specific annotated citations are grouped into four chapters: "The Leisure Literature," "The Literature of Fitness," "The Literature of Sport," and "The Literature of Travel/Tourism." Each chapter consists of two sections: a treatise on the discipline, and a fully annotated listing of titles, arranged from the general to the specific.

In addition to print monographic and serial sources, descriptive annotated citations also are provided for microform, video, film, software, and online information resources.

Anne C. Rose, assistant professor of history and religious studies, is the author of *Victorian America and the Civil War*, published by Cambridge University Press.

The book, a collective biography of 75 men and women who lived before and during the Civil War, traces the impact of the Civil War on American culture.

At the heart of American Victorian culture, Dr. Rose argues, was romanticism, the impulse to search in secular pursuits for answers to questions once settled by traditional religion.

Focusing on elements of disequilibrium, passion and intellectual excitement in the lives of 19-century Americans, Dr. Rose shows Victorian culture in America to be far from the standard conceptions of orderliness and moral self-assurance.

The Penn State Press has published *The Allegheny River: Watershed of the Nation* as its lead title for fall 1992.

The book, part of the Keystone Books series, features photographs by Jim Schafer and text by Mike Sajna.

Of all the rivers in the country, few can claim as long, diverse and colorful a history as the Allegheny. The book



One of the many photographs featured in the book, *The Allegheny River: Watershed of the Nation*, published by Penn State Press. The book includes photos taken by Jim Schafer and text by Mike Sajna.

takes the reader on a trip from the river's headwaters to its mouth, charting its history from its creation during the Ice Age to the present.

Using historical records and accounts, interviews, personal experiences, and over 150 contemporary and historical photographs, it vividly portrays the mighty Allegheny.

The Allegheny River played a key role in the French and Indian War, and after the Revolution, it was the main thoroughfare for immigrants heading west to settle America, thus earning Pittsburgh the title of "Gateway to the West."

Part of the river's story includes its role in the Industrial Revolution, for it once bore the environmental scars of unrestricted industrialization. Today it has rebounded to become one of the best fisheries in the state and home to a diverse collection of flora and fauna, including several endangered species. It also is now one of the most heavily used rivers for recreation in the country.

Throughout the text, Mr. Sajna weaves vignettes with the famous figures and interesting characters who have encountered the river, from George Washington, John D. Rockefeller, and Andrew Carnegie to Seneca Chief Complanter, John Wilkes Booth, "Johnny Appleseed," and Rachel Carson.

He also interviews contemporary people who live, work, or take inspiration from the river, including a woodcarver, a riverboat captain, and vacationers and naturalists.

Mr. Schafer is an award-winning photographer whose work has appeared in *Pittsburgh Magazine*, *Women's Day*, and *Scientific American*. Mr. Sajna is the outdoors columnist for *Pittsburgh Magazine* and author of *Pennsylvania Trout and Salmon Fishing Guide and Buck Fever: The Deer Hunting Tradition in Pennsylvania*.

*Integrating Design and Manufacturing for Competitive Advantage*, a new book edited by Gerald I. Susman, is now available from Oxford University Press.

The book's 14 essays, written by experts from top universities in four countries, address the management of the new product development process. Particular stress is given to the design

for manufacturing concept, in which the integration of the design, development and manufacturing functions allows high quality products to be introduced to the market faster and at competitive prices.

"The information intensive nature of the product development process is demonstrated throughout the book and prompted the creation of a model described in the book's final chapter," Dr. Susman said. "This model links the role of information in the process and a company's capability to organize, process, and learn from the information."

Dr. Susman is the Robert and Judith Klein Professor of Management and chair of the Department of Management and Organization in The Smeal College of Business Administration. He also is the founder and director of the Center for the Management of Technological and Organizational Change, a research unit in The Smeal College.

The development of the book was funded by the Kleins, alumni of the University, through their support of the quadrennial Klein Symposium on Management of Technology, last held at University park in 1990. The symposium brought the book's contributors together to discuss and critique their chapters in consultation with senior executives from industries interested in the design for manufacturing process.

Robert Weber, retired associate professor of physics, is the author of *Science with a Smile*, published by the Institute of Physics Publishing.

The book is anthology of humorous snippets which presents the reader with a fascinating view of the whimsical side of science.

The anecdotes have been carefully selected by Professor Weber and have been classified into broad subject areas. These include "Tales of Academic Life," "Fun at Conferences," "Warnings," and "Food and Environmental Concerns."

Professor Weber also is the author of *A Random Walk in Science, More Random Walks in Science and Pioneers of Science: Nobel Prize Winners in Physics*, 2nd edition.

# LECTURES

Center for the Study of Higher Education

## Texas professor to open series on math, science and engineering

Uri Treisman, of the University of Texas at Austin, will be the first speaker in the 1992-93 Lecture Series, "What Works in Math, Science, and Engineering Classrooms," sponsored by the Center for the Study of Higher Education.

His lecture, titled "Creating New Curricula, Pedagogies, and Faculty Roles," will be given at 4 p.m. Thursday, Oct. 29, in the Kern Building Auditorium at University Park. A reception will follow.

Dr. Treisman is professor of mathematics and director of the Dana Center for Innovation in Mathematics Education at UT-Austin, and director of the Dana Center for Mathematics and Science Education at the University of California, Berkeley.

For his work in developing programs that have helped minority students to excel in mathematics, he has been recognized by a series of prestigious awards, the most recent of which is a MacArthur Fellowship. He is an active member of many national committees, advisory boards and commissions concerned with mathematics education and with the development of a workforce trained in mathematics and science.

Dr. Treisman's long professional involvement with mathematics education and educational policy began in the late 1970s, when, as a mathematics doctoral candidate at UC-Berkeley, he sought reasons why Asian American and African American students with comparable high school academic records obtained markedly different performance

records in college calculus. The answers to his questions, and the success of the mathematics workshop program he subsequently developed, led him to shift his professional interests to the question of how minority participation in mathematics and related fields can be increased nationwide. More than 50 colleges and universities have adapted to their own needs the basic ideas behind the UC-Berkeley calculus workshop program.

The aim of the Center for the Study of Higher Education's 1992-93 Lecture Series, is to encourage dialogue among members of the university community about how to improve the context for learning in introductory math, science, and engineering courses. The other speakers in the Series are Gretchen Kalonji, Kyoera Professor of Materials Science at the University of Washington, Jan. 28, and Eloy Rodriguez, professor of phytochemistry and cell biology at the University of California, Irvine, March 25.

Each speaker, dissatisfied with traditional approaches to teaching and learning, uses alternative approaches which result in greater success for students from underrepresented groups. In his or her efforts to create effective classroom conditions, each critically reevaluates curriculum design and teaching methods. Each also reconceptualizes the traditional roles of faculty and teaching assistant roles, and focuses on student learning processes.

## Pittsburgh ad executive to speak Oct. 27 at University Park

Jean Anne Matter, senior vice president and director of marketing and research at Ketchum Advertising (Pittsburgh), will speak on "Who's Out There? A Lifestyles approach to Niche Marketing" at 7 p.m. Oct. 27 in the Carnegie Cinema at University Park. Her visit is sponsored by the Ambassador Program of The Advertising Educational Foundation.

The Ambassador program sends advertising and marketing executives to over 200 colleges and universities yearly. Ambassadors discuss the advertising process, as well as social and economic issues surrounding advertising, with students and faculty.

Ms. Matter's program will include a presentation on the role of advertising in today's society; visits to classrooms to discuss advertising as it applies to particular disciplines, and informal sessions with students and faculty to answer questions about the advertising industry.

The Advertising Educational Foundation is a not-profit organization supported by advertising agencies, advertisers and media companies. Its goal is to build a better understanding of the socioeconomic role of advertising.

For more information, contact Beth Barnes at (614) 865-2181.



Jean Anne Matter

### PROMOTIONS

#### Staff Exempt

Rachel E. Murgas, to financial officer in Corporate Controller's Office.  
Daniel L. Richner, to advanced engineering aide in ARL.  
Darlene M. Schaffer, to supervisor in Word Processing at Hershey.  
Danielle E. Shreiner, to divisional coordinator at Hershey.  
Kenneth M. Smith, to biological photographer at Hershey.  
Reed A. Stouffer, to supervisor, Bakery Production in Housing and Food Services.  
Jan G. Thompson, to assistant nursing manager at Hershey.  
Eric H. Wagner, to advanced engineering aide in ARL.  
James M. Zettle, to advanced engineering aide in ARL.

#### Staff Nonexempt

Joy L. Ellwanger, to research technician in Agriculture.  
Christopher J. Hamilton, to senior research technician at Hershey.  
Alyssa F. Holl, to technical support specialist at Hershey.  
Karen W. Krepich, to clinical head nurse at Hershey.  
Ann L. Krizenoskas, to research technician at Hershey.  
Patricia D. Rawe, to senior research technician at Hershey.  
Teresa J. Speicher, to research technician at Hershey.

#### Clerical

Patricia L. Bertoni, to secretary B at Hershey.  
Christina A. Brownsweiger, to secretary B at Hershey.  
Gay L. Catherman, to secretary B in Liberal Arts.  
Katherine P. Kresovich, to secretary A in Research and Graduate School.  
Bonnie A. Loomis, to secretary B at Hershey.  
Sherry A. Pottelger, to bed control clerk at Hershey.  
Betty J. Smith, to senior office secretary at Hershey.  
Carol J. Smith, to clerk, accounting A in Housing and Food Services.

#### Technical Service

Lucy A. Meachum, to environmental health worker/group leader at Hershey.  
Christopher A. Opall, to audio-visual driver/dispatcher in Continuing Education.

## Visiting professor and hospitality educator will teach courses and lecture

Lendal H. Kotschevar, a widely sought-after hospitality educator and consultant, is at University Park until Nov. 18 as the Walter Conti Visiting Professor in Hotel, Restaurant, and Institutional Management.

Dr. Kotschevar is a distinguished professor in Florida International University's School of Hospitality Management. While at University Park, he will teach two special-topics courses in food-service management; present guest lectures in several classes; offer a symposium on faculty, and give other talks and seminars.

Dr. Kotschevar, who holds a Ph.D. in institutional management from Columbia University, has been an educator since 1954. He taught at Columbia University, the University of Montana, and Michigan State University before becoming a visiting professor and consultant. He has written or co-authored 14 food service management textbooks, many of which are still used in classrooms today.

He has been a food service consultant for such corporations as Pillsbury, General



Lendal H. Kotschevar

Mills, Procter and Gamble, and General Foods, as well as for the United Nations and Pope John Paul. This year the Educational Foundation of the National Restaurant Association presented him with its 1992 Ithad A. Eure Jr. Ambassador of Hospitality Award.

Dr. Kotschevar is the second in a series of Walter Conti Visiting Professors in the School of Hotel, Restaurant, and Recreation Management, which is part of the College of Health and Human Development. The Conti Professorship was endowed by alumni and friends of the school in honor of Walter Conti, a 1952 graduate and owner of Conti Cross Keys Inn in Doylestown. Mr. Conti is past president of the National Restaurant Association and a past president of the Penn State Board of Trustees.

The first Conti Visiting Professor last spring was Michael Hurst, owner of 15th Street Fisheries Restaurant in Fort Lauderdale, Fla. He is a faculty member at Florida International University and past president of the National Restaurant Association.

## Odyssey on WPSU

When poet Agha Shahid Ali writes of AIDS, he becomes almost "a prophet of grief," says Leonard Rubinstein on the next episode of *Odyssey Through Literature*. On the program, Ali, a Penn State alumus who teaches at Hamilton College in New York, reads from and discusses his new book, *A Nostalgist's Map of America*.

In one poem, for instance, Ali writes, "My house is damp with decades in which the sun was dark."

"Somebody had once said to me that if we illuminate everything, where will we store the darkness?" This image," Ali explains, "was a direct translation of an Urdu poem that I had read, and it prodded me to write this poem about the house, in which the speaker is addressing someone, saying, 'In your house there's always light, but in my house there's always room to store the darkness.'"

*Odyssey Through Literature* is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

## Saxophone recital

Saxophonist Thomas Smialek will perform a recital at 8 tonight in the School of Music Recital Hall at University Park. He will be accompanied by pianist Lois Forbes.



Mr. Smialek's program will feature works by contemporary composers L. A. Logrande, Timothy Broege, Allan Blank and Bernhard Heiden as well as a transcription for tenor saxophone of Robert Schumann's *Phantasietuette, Op. 73*.

Mr. Smialek is assistant professor of music and integrative arts at the Penn State Hazleton Campus. Ms. Forbes is a lecturer in music at the Hazleton Campus and directs the Highacres Campus Choir.

## Philharmonic opens season

The Penn State Philharmonic, Douglas Meyer conducting, opens its 1992-93 season at 3 p.m. Sunday, Oct. 25, in the School of Music Recital Hall at University Park.

The program, "The Music of Vienna," will open with Beethoven's Symphony No. 3 in C minor. Following an intermission, the Philharmonic will perform the *Adagio* from Gustav Mahler's Symphony No. 5 and "Till Eulenspiegel's Merry Pranks" by Richard Strauss.

## Lectures planned

Kristin Congdon, William and Alice Jenkins Endowed Chair in Community Arts at the University of Central Florida, will make presentations Monday, Oct. 26, at University Park.

Professor Congdon will discuss "Folk art in America" from 10:10 to 11 a.m. in 101 Chambers Building. She also will give a lecture, "Folk Art and Feminist Issues," from 6:30 to 9 p.m. in 230 Chambers Building.

Professor Congdon's research on folk art and on women's issues has been published in *The Journal of Aesthetic Education*, *Visual Arts Research*, *Journal of Social Theory and Art Education*, *Journal of Multi-Cultural and Cross-Cultural Art Education*, and numerous other journals. Both lectures are open to the public.

## Art history lecture

Elizabeth J. Walters, associate professor of art history, will present a lecture, "Munich Isis," at 8 p.m. Tuesday, Oct. 27, in 112 Walker Building at University Park. The lecture is the fourth in the series, "Scholarly Speculations: Recent Research by the Faculty of the Department of Art History," and is sponsored by the Department of Art History.

Dr. Walters will present her findings concerning a statue now in Munich which has been identified as the Egyptian goddess Isis. This particular goddess was one of the most popular foreign goddesses in the Roman Empire.

Dr. Walters joined the University faculty in 1982. She received her Ph.D. from the Institute of Fine Arts of New York University, where she specialized in Greek and Roman art and archaeology as well as Egyptian art. Her expertise in these fields has enabled her to participate in many excavations of ancient sites.

A reception will follow the lecture, which is free to the public, in the lobby of Walker Building.

## Flute ensemble

The Penn State Flute ensemble will present a concert at 8 p.m. Tuesday, Oct. 27, in the School of Music Recital Hall at University Park.

Full ensemble works to be featured in the program are C. Hugo Grimm's "Divertimento," Otto Luening's *Sonoris* for Flutes and Mendelssohn's "Andante," arranged from the Italian Symphony by Martha Rierick. Chamber works to be performed include Jennifer Higdon's "Steele Pause," Luigi Zannarelli's "Prelude" and Pierre Marc Dubois' "Quintet." The program will conclude with the ensemble's traditional performance of "The Galway Piper Air."

Directed by Eleanor Duncan Armstrong, 19 undergraduate and graduate flutists comprise the ensemble which performs works written for flute choir.

The concert is free to the public.

## Scopes on WPSU

Mary Jane Irwin, professor and head of computer science, will be the featured guest on today's segment of the WPSU radio program, "Scopes: Women and Minorities in the Sciences at Penn State." Susan L. Brantley, associate professor of geosciences, will be featured on the Oct. 22 segment.

The broadcast begins at 12:30 p.m. following a companion program, produced at the University of Minnesota and distributed by National Public Radio, titled "Science Lives: Women and Minorities in the Sciences." The topic of today's companion National Public Radio program is "Interplanetary Voyages," an interview with an engineer/astronomer. On Oct. 29 it is "A Mover and a Shaker," an interview with a seismologist.

Dr. Irwin's research interests include computer architecture, Very Large Scale Integration (VLSI) systems design, and computer-aided design tools. Among her many contributions nationally in influencing science policy are her membership on the advisory committee to the National Science Foundation Microelectronics and Information Processing Systems Division and her activities with the Association for Computing Machinery.

Dr. Brantley is a geochimist interested in the interaction of rocks with water in the Earth's crust. She works in the laboratory to investigate the kinetics of minerals dissolving or precipitating in water, and in the field to document water-rock interaction in systems as diverse as glacial soils in Iceland and toxic waters associated with the active Poas Volcano in Costa Rica. Her research is supported by an NSF Presidential Young Investigator Award and a Lucile and David Packard Fellowship.

Londa Schiebinger, associate professor of history and host of the series, will interview Drs. Irwin and Brantley. "Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

## Photographic lecture

Jana L. Bara, a leader in the field of Canadian photo-historical studies, will present a lecture, "William Notman: Photographer and Father of the Canadian Image," at 2 p.m. Friday, Oct. 30, in the Rare Books Room of Pattee Library at University Park.

Ms. Bara's lecture will examine the importance of William Notman, who combined artistic sense with keen business acumen to contribute greatly to the creation and international dissemination of the Canadian image.

Ms. Bara relocated to Canada in 1968 from her native Czechoslovakia and currently is working on a book concerning the Canadian hero. She also is engaged in research on the work of Baron Adolf Gayne De Mayer.

The lecture is free to the public.

## New World Symphony

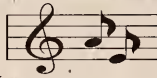
Internationally recognized conductor Michael Tilson Thomas will conduct The New World Symphony at 8 p.m. Friday, Oct. 30, in Eisenhower

Auditorium at University Park.

The program will include Ginastera's Dances from Estancia, Op. 8a, Gershwin's Second Rhapsody for Orchestra with Piano, Ives' Symphony No. 4 and various American hymns. In a special feature, the Penn State Concert Choir will accompany the Symphony in the Ives piece.

The New World Symphony, America's only full-time training orchestra, provides talented young musicians with an opportunity to continue learning as well as to perform. The Miami-based orchestra offers musical graduates a broadening experience to help lead them into a professional music career.

The orchestra's artistic adviser is Michael Tilson Thomas, who became principal conductor of the London Symphony Orchestra in Sept. 1988. Mr. Thomas conducts many other orchestras worldwide, and has received numerous Grammy's and international awards for his recordings.



The documentary, "Are My Ears On Wrong?: A Profile of Charles Ives," will be presented at noon, Friday, Oct. 30, in the Carnegie Building Cinema. The film will be hosted by Taylor Greer, assistant professor of music.

## Poetry reading

A poetry reading by Tess Gallagher and Liliana Ursu will take place at 7 p.m. Sunday, Nov. 1, in 101 Kern Building at University Park. An author signing, sponsored by the Penn State Bookstore, will be held following the reading, which is free to the public.

Ms. Gallagher is the author of *Moon Crossing Bridge*, *Portable Kisses*, *Amplitude: New and Selected Poems*, *Willingly, Under Stars*, *Instructions to the Double*, and other books of essays, short stories, and screen plays. Ms. Gallagher also has been advising on the set of the production of "LA Short Cuts" by Robert Altman, which is based on nine of her late husband Raymond Carver's stories and



poems. The film is due for release in fall 1993.

Ursu is a Romanian poet and Fulbright visitor and is the author of *Life above the City*, *The Goldsmiths' Market*, *Safezy Zone*, *The Middle of the Road*, *Port Angeles*, *Weekend in Amsterdam* and *Armina*. Ms. Ursu has received national poetry awards from the *Luceafarui Literary Magazine*, the Romanian Writers Union and the Romanian Literary Supplement.

The reading is co-sponsored by the Department of Slavic and East European Languages, Institute for the Arts and Humanistic Studies,



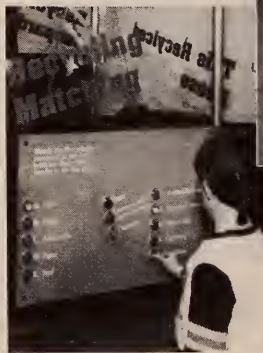
# University Park Calendar

Oct. 22 — Nov. 1

**SPECIAL EVENTS**

**Thursday, Oct. 22**  
Noontime Concert, Kern Lobby, Gordon Law and Friends.  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel, Penn State Concert Choir.  
Center for Women Students, Six Feminist Scholars Lecture Series, 8 p.m., 101 Kern, Marjorie DeVault, Syracuse Univ., on "Women's Knowledge, Women's Profession: Divisions of Authority in Food and Nutrition Work."  
■ Dept. of Spanish, Italian and Portuguese Lecture & Symposium Series, 8 p.m., 110 Wark. John S. Brushwood on "The Uses of History in Current Spanish American Fiction."  
**Friday, Oct. 23**  
Geography Coffee Hour, 3:30 p.m., 319 Walker, Lee Stout, University archivist, on "Corporate Culture and the Creation of Historical Environments."  
Stone Valley, old fashioned hayrides, 7-11 p.m.  
Also Oct. 24  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. "Buddy: The Buddy Holly Story." Also Oct. 24.  
**Saturday, Oct. 24**  
Faculty Development, 9 a.m.-6 p.m., 114 Kern. Workshop on "External Funding and Proposal Development." Call Leah Witzig at 863-1663.  
**Sunday, Oct. 25**  
Shaver's Creek, 1-5 p.m., Halloween Trail Cast Training. Call 863-2000.  
Penn State Philharmonic, 3 p.m., School of Music Recital Hall.  
**Monday, Oct. 26**  
Lecture, 10:10 a.m., 101 Chambers. Kristin Congdon, Central Florida, on "Folk Art in America." Also, 6:30 p.m., 230 Chambers, "Folk Art and Feminist Issues."  
Office of Disability Services, noon, Donovan Room, HUB.  
"Introduction to Americans with Disabilities Act."  
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. On-cho Ng, ass't. prof. of history, on "The Cross Cultural Transposition of a Concept: Historicism in 17th & 18th Century Chinese Thought."  
Wagner Computer Training Center, Second Annual Open House, 2-4 p.m., 116, 117 Wagner.  
Joseph Priestly Lectures in Chemistry, 8 p.m., 102 Classroom Bldg. Harry Gray, CalTech, on "Infrared-Molecular Electron Transfer in Inorganic Complexes and Metaloproteins."  
**Tuesday, Oct. 27**  
Professional Women at Penn State, 11:45 a.m., Frizzell Room of Eisenhower Chapel. "An Open Discussion on the SPEED Program."  
Priestly Lectures, 111 Wark, Harry Gray, CalTech, on "Electron-Tunneling Pathways in Proteins."  
■ College of Education and International Programs, public lecture, 8 p.m., 110 Wark. Kabiru Kinyanjui on "Challenges and Dilemmas in African Education."  
Lecture, 8 p.m., 112 Walker. Elizabeth Walters on "Munich fits."  
Penn State Blue Ensemble, 8 p.m., School of Music Recital Hall.  
**Wednesday, Oct. 28**  
Human Genome Diversity Workshop II, through Oct. 31.  
Science Writers, 11:45 a.m., 313 Kern. John Harwood on "Scientific Disclosure."  
Center for Women Students Brown Bag Lunch Series, noon, 120 Boucke. Joyce Iffed-Kaye on "How to Select a Thesis."  
Priestly Lectures, 4 p.m., S-5 Osmond. Harry Gray, CalTech, on "Blue Copper Proteins."  
■ Geography lecture, 7 p.m., 112 Walker. Michael Conroy, Univ. of Texas at Austin, on "The Economic Geography of Latin America's Lost Decade" 1980-1990.  
**Thursday, Oct. 29**  
Priestly Lectures, 12:15 p.m., S-5 Osmond. Harry Gray, CalTech, on "Structurally

Engineered Redox Enzymes."  
Center for the Study of Higher Education, lecture, 4 p.m. Kern Aud. Uri Treisman, Univ. of Texas at Austin, on "Creating New Curricula, Pedagogies, and Faculty Roles."  
Shaver's Creek, 7 p.m., Pumpkin Gearing. Call 863-2000.  
STS Lecture Series, 7:30 p.m., 112 Walker. Wolfgang Schirmacher, Univ. of Hamburg, on "Artificial Life: Innovations in Communication."  
Guest Artists, 8 p.m. School of Music Recital



Hall. American Reed Trio.  
**Friday, Oct. 30**  
Noontime concert, Kern Lobby. Happy Valley Fute Trio.  
Nittany Lion Fall Classic, Ag Arena. Also Oct. 31.  
Lecture, 2 p.m., Rare Books Room of Pattee. Jana L. Bara on "William Noitman: Photographer and Father of the Canadian Image."  
Shaver's Creek, 7 to 10:30 p.m., Haunted Forest Trail. Also Oct. 31 and Nov. 1. Call 863-2000.  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. "The New World Symphony, Michael Tilson Thomas, conducting."  
**Saturday, Oct. 31**  
College of Engineering, Spend a Fall Day, Shaver's Creek, 3 to 5 p.m., Children's Magical Trail. Also Nov. 1. Call 863-2000.  
**Sunday, Nov. 1**  
Poetry Reading, 7 p.m., 101 Kern Bldg. Tess Gallagher and Liliana Ursu.

**5:17/CIC MEETINGS**

Oct. 25-27, CIC/Associate Deans Group. Colleges of Arts and Sciences, Nittany Lion Inn. Penn State hosts: Norman Freed and Jeannette Bragger.  
Oct. 25-27, Big 10 Publications Directors, Nittany Lion Inn. Penn State host: Jeffrey Hermant.  
**CONFERENCES**  
Oct. 22-23, Cooperative Vocational Education; 85 attendees; Altoport; F. Welch, chair; C. Herd, coordinator.  
Oct. 23-25, Profiles at Midpassage; 30 attendees; Holiday Inn; J. Weeks, chair; R. Madson, coordinator.  
Oct. 23-25, Water Safety Week; 15 attendees; T. Griffiths, chair; J. Milson, coordinator.  
Oct. 24-25, Underwater Acoustics; 20 attendees; Nittany Lion Inn, Atherton Hilton; A. Stuart, chair; K. Karchner, coordinator.  
Oct. 24-28, 225th IMS Special Topics Meeting; 100 attendees; Nittany Lion Inn; J. Rosenberger, chair; R. Maclean, coordinator.

for.  
Oct. 25-Nov. 6, Engineer/Scientist as Manager Program; 40 attendees; Nittany Lion Inn; A. Clark, chair; J. Menoher, coordinator.

**A recycling exhibit**, sponsored by Pennsylvania Department of Environmental Resources, is on display in the HUB at University Park. The exhibit, brought to campus by the Office of Physical Plant, is touring the state. It will remain in the HUB until the end of the semester.

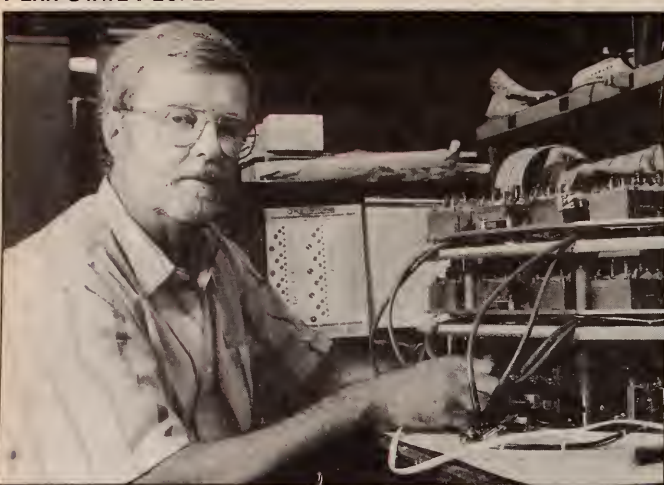
Oct. 26-30, Underwater Acoustics; 80 attendees; Nittany Lion Inn, Atherton Hilton; A. Stuart, chair; K. Karchner, coordinator.  
Oct. 27-28, PA Bar - Current Issues in Trust Administration; five attendees; S. Hendrick, chair; J. Milson, coordinator.  
Oct. 27-28, Penn Sanitation Short Course; 100 attendees; local hotels/motels; J. MacNeil, chair; G. Peterson, coordinator.  
Oct. 29-31, Human Genome Diversity Workshop II; 50 attendees; Days Inn; K. Weiss, chair; W. Stemer, coordinator.  
Oct. 29-31, PA Allied Health; 35 attendees; Nittany Lion Inn; R. Marks, chair; C. Herd, coordinator.  
Oct. 30-31, Penn State's Wrestling Coaches Clinic; 50 attendees; Elvys; J. Smith, coordinator.  
Oct. 31, Job Search Workshop; 36 attendees; R. DeShong, chair; J. Sinclair, coordinator.  
Nov. 1-3, Junior Science and Humanities Symposium; D. Kindeerst, chair; J. Sinclair, coordinator.

**SEMINARS**

**Thursday, Oct. 22**  
Ceramic Science, 11 a.m., 301 Steidle. Pradeep P. Phule, Univ. of Pitt., on "Chemical Synthesis and Processing of Electronic Ceramics."  
Master Teachers Seminar Series, 3:30-5 p.m., 118 Ag Sciences and Industries. John W. Moore Jr. on "Teaching by Discussion: Dangers and Opportunities."  
Graduate Program in Ecology, 3:45 p.m., 111 Wark. K.C. Kim, Entomology, on "Bodiversity, What's Worth Saving."  
Computer Science, 4 p.m., 325 Whitmore Lab. Lohar Reichel, Kent State, on "The Eigenvalue Problem for Unity Matrices and Newton and Kung."  
Graduate Program in Nutrition, 4 p.m., 117 Henderson. David Lipschitz, McClellan Veterans Hosp., on "Interrelations between Nutrition and Aging."  
Industrial Engineering Graduate Seminar, 4:30 p.m., 314 Hammond. Anne Shoemaker, AT&T Bell Labs.  
**Friday, Oct. 23**  
School of Forest Resources, 1:25 p.m., 105 Ferguson. Steve Horsley, U.S. Forest Service, on "Influence of Deer Density on Plant-Plant Interference in the Allegheny Hardwood Forest."

Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Roger Lyons, Cornell, "Understanding Molecular Motions in Polymer Liquids."  
Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Matt Jackson, Northwestern Univ., on "Characteristics of Game Theoretic Situations Which Lead to Impossibility Theorems."  
Agronomy, 3:35 p.m., 101 Ag Sciences and Industries. Ron Schraabel, Agricultural Research Service, on "Denitrification and Nitrogen Leaching from Two Floodplain Soils."  
**Tuesday, Oct. 27**  
Chemical Engineering, Merck Centennial Lecture Series, 3 p.m. Robeson Cultural Center. Martin Glöcksmann, Rensselaer Poly. Inst., on "The Evolution of Multiphase Microstructures."  
Chemistry, 3:30 p.m., S5 Osmond. David Davies, National Institutes of Health, on "How Do Antibodies Recognize Antigens?"  
Biology, 4 p.m., 8 Mueller. Douglas Bush, Rutgers, on "Hormonal Regulation of Calcium in the Cereal Aleurone."  
Graduate Program in Nutrition, 4 p.m., S-209 Henderson. Thomas A. Loyd, Hershey Medical Center, on "Calcium Supplementation and Increases in Total Body Bone Mineral Density in Adolescent Girls."  
Operations Research, 4:35 p.m., 207 Sackett. John N. Hooker, Carnegie-Mellon.  
**Wednesday, Oct. 28**  
Management Science and Information Systems, 11 a.m., 327 Beam. Terry Harrison on "Design, Development, and Implementation of an Expert System for Monitoring Health Care Payments."  
Biotechnology Institute, 2:30 p.m., 110 Wark. Jacqueline V. Fisher, Univ. of Utah, on "Production of Amino Alkaloids in Plant Organ Cultures."  
Master Teacher Seminar Series, 3:30 p.m., 118 Ag Sciences and Industries. Larry D. Science, on "Daming in the Classroom: Does He Belong?"  
Engineering Science & Mechanics, 3:35 p.m., 314 Hammond. George W. Mulholland, NICTD, Maryland, on "Clean Science on a Dirty Subject Soils."  
**Thursday, Oct. 29**  
Ceramic Science, 11 a.m., 301 Steidle. Larry F. Allard, Oak Ridge National Lab., on "Electron Holographic Observations of Domain Walls in Ferroelectrics."  
Graduate Program in Ecology, 3:45 p.m., 111 Wark. Timothy Kinloch, Eastern Kentucky Univ., on "Habit Use by Nesting Northern Goshawks in Two Forest Regions of Pennsylvania."  
Gerontology Center, 4 p.m., 106 Mitchell. Gerard McClellan, dea. College of Health and Human Development, on "Behavioral Genetics: The Last Century and the Next."  
Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Young O. Kim and Kameshkyan Chitsiyaj.  
**Friday, Oct. 30**  
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Isaiah Shavit, Ohio State Univ., on "Multiscale Perturbation Theory for the Calculation of Potential Energy Surfaces."  
Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Ken Brum, Univ. of Mich., on "Noisy Evolutionary Processes and Equilibrium Selection."  
Leonhard Center, Innovative Minds seminar series, 12:15 p.m., 256 Hammond. Phil Benson, Rice Univ., on "Innovative Use of Computers in Learning."  
Agronomy, 3:45 p.m., 101 Ag. Sciences & Industries. Liliana Garmaza, Naples, Italy, on "Soil Enzymes: A Sample of Naturally Immobilized Enzymes."  
■ Reflects an International perspective

## PENN STATE PEOPLE



**Electronics designer Joe Stewart** keeps his feet firmly planted on the ground, but his work frequently goes into outer space these days. Mr. Stewart, an Electronics Design Services (EDS) employee, is the technician in charge of assembly, verification and field services for sounding rocket flights sponsored by the Center for Cell Research, a NASA Center for the Commercial Development of Space. EDS is a research support facility of the College of Engineering. Besides support on rocket missions, EDS has optimized the design and produced flight units of the CCR's automated biological minilab, the Penn State Biomodule. The biomodule payload shown at right is being readied to fly aboard COMET, an unmanned satellite dedicated exclusively to commercial payloads. Roy Hammenstedt, professor of biochemistry and developer of the Biomodule, said EDS's involvement in CCR space flight and ground-based activities will be expanded. "EDS is a resource center that listens," he added.

Photo: Greg Grieco

## Arts

Continued from Page 6

Department of English, Office of Research and Graduate Studies, Department of Comparative Literature and the Creative Writing Program.

### Postcard Prints

The work of Diane Fine, Plattsburg N.Y., Tracy Honn and Gretchen Hills, Madison, Wis., are featured in an exhibit in Chambers Gallery, second floor, Chambers Building, at University Park until Dec. 4.

Included is a series of hand-printed cards by Bonn and Fine completed between 1989-92. The two artists have been collaborating on various projects since 1987. Both printers are interested in the spirit of artistic collaboration and the process of making affordable, original art. The artists use a collage, process that examines humor, healing and political truths.

Also included are pieces by Gretchen Hills and Tracy Honn that were produced under the joint press name "Domestic Help" in 1990 during the height of the National Endowment for the Arts controversy. Pieces such as their "NEA—Hand it to Helms?" card give voice to their shared concerns of identifying issues, claiming territory and affirming pleasure.

The Chambers Gallery is open Monday through Friday and the exhibit is free and open to the public.

### 'Buy Recycled' exhibit

The Office of Physical Plant has brought an exhibit on recycled products to the Hetzel Union Building at University Park.

The exhibit, which is located across from the HUB information desk, consists of two interactive displays that educate people about recycled products.

"Buy Recycled," developed and created by the Pennsylvania Department of Environmental Resources, teaches consumers that recycling doesn't stop at the curb but also extends to buying recycled and recyclable products whenever possible.

It helps consumers identify products which can be purchased in supermarkets, toy stores, department stores and elsewhere. Consumers also are both entertained and instructed by playing "Recycling Jeopardy" and "Recycling Matching," two interactive games within the exhibit.

The exhibit is touring the state and most recently was on display at the new Carnegie Science Center in Pittsburgh and the Franklin Institute in Philadelphia. It will remain in the HUB until the end of fall semester.

## THE ARTS AT . . .

### Worthington Scranton

"Tell Tell Tales," an archaeology exhibit, is on display at the Penn State Worthington Scranton Campus Library through Oct. 31.

Tell is the Arabic word for "ruin heap." When used as a prefix with a place name, it designates the location as an archaeological site.

Organized by the Old Testament Hebrew Scriptures class, the exhibit features archaeological photographs, tools, records, and artifacts from excavations at two sites in Jordan: Tel Hesban and Tel el-Umeiri. Several students in the class volunteered to do the artwork, mount photographs, and set up the exhibit. Complementing the exhibition is a display of books and information in non-print formats.

"Tell Tell Tales" illustrates the story of what's involved in archaeological research, from the selection of the dig site to the final publication of the findings. Specific items on display include glass artifacts; whole vessels, such as oil lamps; coins; skeletal materials; food preparation implements, such as stone grinders; weaponry, such as sling stones, and bone carvings, an example of ancient functional artwork.

The exhibit is free to the public. Library hours are Monday-Thursday, 8 a.m.-10 p.m.; Friday 8 a.m.-4:30 p.m. Closed Saturday and Sunday.

## NEWS IN BRIEF

### Public Lecture

John S. Brushwood, the Roberts Professor of Latin American Literature at the University of Kansas, will deliver a public lecture on "The Uses of History in Current Spanish American Fiction" at 8 tonight in 110 Wartik Building at University Park.

Dr. Brushwood, an internationally recognized authority on Mexican literature is the author of 10 books in his field including *Mexico in Its Novel* (1966), *The Spanish American Novel: A Twentieth Century Survey* (1975) and, most recently, *Narrative Innovation and Political Change in Mexico* (1989). He also is the author of numerous articles, book reviews and translations of Latin American literature. While much of his work has appeared in the leading professional journals, he also has written for the *Kansas City Star* and the *New Republic*. His many honors include membership in Phi Beta Kappa and grants from the American Council of Learned Societies, the Social Science Research Council, and the National Endowment for the Humanities.

His lecture, which is open to the public, is part of the Department of Spanish, Italian and Portuguese Lecture & Symposium Series.

### African education lecture

Kabiru Kinyanjui, senior program officer with the International Research and Development Center in Nairobi, Kenya, will present a public lecture, "Challenges and Dilemmas in African Education" at 8 p.m. Tuesday, Oct. 27, in 110 Wartik Laboratory at University Park.

Dr. Kinyanjui, who received his graduate degrees from Harvard University, is an internationally-known expert on development issues in Africa. His visit is co-sponsored by the College of Education and the Office of International Programs.

### Science Writers

John Harwood, associate professor of English, will lead a luncheon roundtable discussion sponsored by the Penn State Chapter of the National Association of Science Writers at 11:45 a.m. Wednesday, Oct. 28, in 313 Kern Building at University Park. He will lead a discussion on "Scientific Disclosure."

The Penn State Chapter of the National Association of Science Writers meets for lunch and discussion on the last Wednesday of each month during the academic year. The brown bag luncheon roundtable series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

### Benefits meetings

Several HealthAmerica Information Meetings are scheduled for this month, including those on Oct. 27, 28 and 29 from 6-9 p.m. at the Nittany Lion Inn in State College. Representatives from HealthAmerica will be on hand to answer questions, and a presentation will begin at 7 p.m. In addition, there is a Health Care Information Station open Oct. 23, and Oct. 26-30 in the Main Lounge of the HUB at University Park from 7 a.m. to 4 p.m. daily.

## APPOINTMENTS

Richard Craig, professor of plant breeding, has been named the first J. Franklin Styer Professor of Horticultural Botany.

Dr. Craig, one of the industry's foremost plant breeders, has spent more than 25 years bringing improved flower species and cultivars to the public. His genetic research has resulted in the introduction of many new colors and forms of flowers.

His research group holds more than 18 plant patents for improved cultivars of geranium and regal Pelargonium. He is a fellow of the American Society of Horticultural Sciences and has won prestigious awards in commercial horticulture. He was inducted into the Horticultural Hall of Fame in 1990.

As Styer Professor, Dr. Craig will continue his research on Pelargonium and Sri Lankan Exacum. His goals are to preserve botanical species and use them to develop commercial cultivars for use in gardens, landscapes and indoor environments.

The Styer Professorship was established in 1990 when Penn State alumnus J. Franklin Styer donated \$250,000 to endow a professorship in the College of Agricultural Sciences. The professorship supports outstanding scholars in their search for botanical species with unique and superior traits.

Dr. Styer, a Concordville native, graduated from Penn State in 1922 with a B.S. in agricultural chemistry. He received a Ph.D. from the University of Pennsylvania and entered the mushroom industry, which his father pioneered. In 1950, he started a nursery in Concordville, specializing in cut peonies. He retired in 1987.

Robert A. Heinbach, has been appointed physician in charge, Women's Health at University Health Services, University Park.

Dr. Heinbach previously was in his own private practice of gynecology and fertility in Williamsport for eight years. Prior to that, his private practice specialized in obstetrics and gynecology. He recently served as vice-chairman of the

Department of Obstetrics and Gynecology at Devine Providence Hospital, Williamsport.

Dr. Heinbach completed his medical education at Temple University School of Medicine, and his residency in obstetrics and gynecology at Reading Hospital and Medical Center.

As physician in charge of Women's Health, he will provide gynecological services to Penn State students. He will provide clinical and administrative leadership to nurse practitioners, physician's assistants and registered nurses in the Women's Health Department in order to assure quality care for incoming students seeking health services. Dr. Heinbach also will act as a resource to other University and Health Service departments as needed.

Lynda J. Phillips-Madson has been named director of academic affairs and associate professor of business administration at Penn State Great Valley.

As the campus's chief academic officer and dean of faculty, she will be responsible for its graduate level academic and related professional development program offered throughout the Greater Philadelphia region in collaboration with several University colleges and the Graduate School.

Dr. Phillips-Madson joins the faculty from Vanderbilt University in Nashville, Tenn., where she was associate professor and associate dean of the Owen Graduate School of Management.

Her research specialties include the role of managerial education in enhancing industrial competitiveness, collaborative learning strategies and studies of

women successful in business. Her work on the quality of executive MBA programs was recently cited by the National Assembly of Collegiate Schools of Business.

In addition to her post at Vanderbilt, Dr. Phillips-Madson has held teaching and administrative positions at Boston University, Iowa and Illinois State universities, Ohio Northern University and the University of Delaware.

Phil E. Rzewnicki has been named county extension director for Penn State Cooperative Extension in Huntingdon and Blair counties. In addition to his administrative responsibilities in both counties, he will help growers with agronomy and cropping systems.

Prior to joining Penn State, Dr. Rzewnicki was assistant to the dean and director for University of Nebraska Cooperative Extension, where he provided administrative and program planning leadership in agricultural profitability and rural revitalization. He also served as county extension director and agronomy agent for eight years in Cuming County in northeast Nebraska.

Dr. Rzewnicki earned his bachelor's degree in biological sciences from Northern Illinois University in 1971. He earned a master's degree in natural resources policy and management from the University of Michigan in 1977 and a master's degree in crop and soil sciences from Michigan State University in 1979.

While completing his Ph.D. in agronomy at the University of Nebraska, he emphasized on-farm experiment designs and implications of involving farmers and extension agent in applied agronomy research.

Mike McDavid, former ROTC program director at Penn State Erie, The Behrend College, has been named an area representative for the College's Division of Continuing Education.

Lt. Col. McDavid, a former assistant professor of military science at the

College, was director of the ROTC program from 1985 until 1989.

From 1989 until his retirement this year, he completed a tour of duty in the Republic of Korea.

He was in charge of training development at the U.S. Army Infantry School, Ft. Benning, Ga.

In his duties as area representative, he will manage business and certification.

Continuing Education programs offered through the Penn State Erie Downtown Center.

Studies under his direction include two-year degree programs in business and plastics engineering technology, certificate programs for paralegals and chemical dependency counselors, and advanced degree courses in health education.

Dawn M. Wilson has been named residence life coordinator at the Penn State Berks Campus.

Ms. Wilson earned a bachelor of arts in psychology from Edinboro University of Pennsylvania. She also has earned additional graduate credit from Indiana University of Pennsylvania.

As residence life coordinator, she will be responsible for maintaining a safe and healthy atmosphere for residential life; promoting student life and wellness; overseeing the residence assistants; planning student activities, and advising the Residence Hall Council.

Prior to joining the Beaver Campus staff, Ms. Wilson was employed as a residential counselor at the Auberie Home for Boys in McKeesport.



Mike McDavid



Robert A. Heinbach

## Quality

Continued from Page 1

Quality Improvement," "Teams and Teamwork," "Quality Schools and Classrooms," "Quality Measurement and Assessment," "Planning for Quality" and "Partnerships for Quality Improvement."

According to Dr. Hartman, some 20 to 40 Pennsylvania schools have had some involvement with the total quality movement.

Even though people seem to be ready and eager for this, it is not a quick fix," he cautioned. "It involves a change in culture; to value quality and to make that an objective in whatever group you happen to be."

Dr. Hartman believes, however, that quality improvements in education will soon be more evident. He anticipates that the application of TQI concepts in schools will result in better teachers, more efficient operations, more cost-effective schools and graduates who can meet the challenges in today's global society.

"Through the Center for Total Quality Schools, our faculty are prepared to pull the TQI concepts together in a logical format for schools. We are ready to provide a leadership role in this exciting movement in education." For additional information about the center and its programs, contact Dr. Hartman, Center for Total Quality Schools, 308 Rackley Building, University Park, (814) 865-2318.

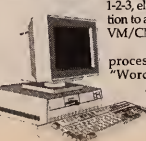
## Open house

Continued from Page 1

the Human Resource Development Center course schedule which is mailed to all full-time regular employees at the beginning of each semester. For further information on these courses or the brochure, call (814) 865-3410.

## Center for Academic Computing

The Center for Academic Computing offers a wide range of computing resources and services. Center for Academic Computing resources include a large mainframe computer, numerous public computer labs, a Microcomputer Order Center, a Help Desk, and CEBL-Teaching and Learning Technologies Group. The Center for Academic computing users are offered every semester on week days, evenings and weekends. Topics include Lotus 1-2-3, electronic mail, Introduction to and intermediate



VM/CMS, SAS, and Unix. The introductory word processing seminars "WordPerfect for Windows" and "Microsoft Word," are two of the Center's most popular. They are free to all

University faculty, staff, and students.

For information on the seminars, call (814) 863-6113 or send a request by electronic mail to [dcreeq@psvmv.psu.edu](mailto:dcreeq@psvmv.psu.edu).

## Microcomputer Order Center

The Microcomputer Order Center provides educational sales discounts on computer systems, peripherals and hundreds of software packages. Full-time students, faculty, staff and departments are eligible to purchase items. At the Systems Evaluation Laboratory, interested individuals and departments have the opportunity to personally test hardware and software before purchasing decisions are made. The Microcomputer Order Center is located in 12 Willard Building and is open Monday through Friday, 9 a.m. to 3:30 p.m.

For information on the Center and Microcomputer Order Center are jointly offering a 50% discount on selected Wagner computer courses. For further information about Microcomputer Order Center services, call (814) 865-2100, FAX (814) 863-7514, or send electronic mail to [moc@psvmv.psu.edu](mailto:moc@psvmv.psu.edu).

The Wagner Training Center also is available for customized training, group rentals, and to academic groups for classroom use.

For information on the entire range of computer training classes available at the Center, call John Campbell at (814) 865-0809 or send electronic mail to [jpc5@psvmv.psu.edu](mailto:jpc5@psvmv.psu.edu).

PRIVATE GIVING

# Alumnus commits \$1 million for faculty chair in science

Penn State alumnus Verne M. Willaman has committed \$1 million to endow a faculty chair in molecular biology in the Eberly College of Science. It is his second million-dollar gift to the college. He endowed the Willaman Chair in Life Sciences in 1990.

In addition, as part of his estate plans, he has made a commitment to endow a number of professorships and graduate fellowships in the college.



Verne M. Willaman

Mr. Willaman, of Vail, Colo., is a former chairman and president of

Ortho Pharmaceutical Corp., and member of the executive committee and director of Johnson and Johnson. He graduated from Penn State in 1951 with a bachelor's degree in biological chemistry.

"Verne Willaman recognizes that private support is critical to sustaining academic excellence in science at Penn State," President Thomas said. "We deeply appreciate his generosity, which will have a positive impact on generations of students and faculty."

"Throughout my career, I've seen how research universities such as Penn State have played a vital role in advancing the frontiers of science," Mr. Willaman said. "We all benefit from these advances, and I want to help make sure that Penn State has the resources it needs to continue this important work."

Mr. Willaman joined Ortho Pharmaceutical in 1954, after three years of naval service. In 1969 he

became vice president and director of marketing. He was named president in 1972 and chairman in 1976. He became a director and member of the executive committee of Ortho's parent company, Johnson and Johnson, in 1977 and retired in 1988.

At Penn State, he serves on the National Development Council, the University's highest level fund-raising advisory body. He also was a member of the national campaign committee of The Campaign for Penn State, which raised \$332 million for the University's academic programs. He was named an Alumni Fellow of the Eberly College in 1985 and has served on the executive council of the Penn State Alumni Association.

His son, Mark, received an MBA degree from Penn State in 1991.

# Paternos contribute \$250,000 to Pattee Library

Penn State Head Football Coach Joe Paterno and his wife, Sue, have committed \$250,000 to support construction of an addition to Pattee Library, President Thomas has announced.

The Paternos are longtime benefactors of the University Libraries. In May, Dr. Thomas named Joe Paterno to head a volunteer committee to study the feasibility of raising private funds for the Pattee expansion. Sue Paterno also serves on the committee.

"Expansion of Pattee Library is one of my highest priorities, and we are most grateful to the Paternos for making this commitment to Penn State," Dr. Thomas said.

The Paternos' gift brings private funds for the construction project to \$1.75 million. The total includes \$1 million that will be generated from the University's partnership with Pepsi, and \$500,000 recently committed by the Penn State Alumni Association.

"The libraries have to keep pace with the tremendous progress the University has made in our academic areas," Joe Paterno said. "It's not only a question of adding more books and other information resources, but adding needed space to better serve the students and faculty. That's how you achieve a library system that

ranks among the best at any university."

During The Campaign for Penn State (1984-90), the Paternos gave \$120,000 to establish the Paterno Libraries Endowment, which supports the acquisition of books, periodicals and other scholarly materials, and \$50,000 to endow a scholarship fund for minority students.

The Libraries endowment, begun in 1984, has attracted additional gifts from alumni and friends and also benefits from a share of revenues from the sale of Nittany Lions sports memorabilia. Including a second \$1 million gift from the Richard King Mellon Foundation, the endowment's market value exceeds \$3.85 million.

The Paternos also gave to the effort to establish the endowed chair in Jewish Studies in the College of The Liberal Arts.

Since the campaign, the Paternos have made gifts totaling more than \$65,000 to: the Academic/Athletic Convocation and Events Center, Scholarship for minority students, Penn State athletics (the Nittany Lion Club), the Paterno Libraries Endowment and various designated scholarship funds.

The Pennsylvania legislature has allocated \$19.8 million to fund the construction of an addition to Pattee, and \$1.98 million for furnishings. President Thomas noted in his address to the University community last week that he has pledged private funds to encourage release of these state dollars. He expressed optimism that the funds will be released.

Coach Paterno's committee will meet this fall to study the feasibility of raising additional private funds to support the expansion of the Libraries, despite the fact that the state funds have not been released yet. The group is expected to make recommendations before the end of the calendar year.

The Paternos are both members of the National Development Council — Penn State's highest-level fund-raising advisory body — and the Libraries Development Advisory Board.

Joe Paterno, who was named an honorary Penn State alumnus in 1973, also serves as a member of the volunteer committee that is raising \$20 million for the Academic/Athletic Convocation and Events Center.

# Graduate fellowship endowed

A Penn State alumnus and his wife, Donald R. and Barbara Weyenberg, have given \$50,000 to endow a graduate fellowship in the Eberly College of Science. Donald Weyenberg is senior vice president and chief scientist at Dow Corning Corp. in Midland, Mich.

The Weyenberg fellowship will be awarded to a student specializing in materials research.

Donald Weyenberg received a Ph.D. in chemistry from Penn State in 1958. A native of Nebraska, he joined Dow Corning in 1951 after earning a bachelor's degree from the University of Nebraska. He served as the company's senior vice president for research and development from 1969 to 1991. A portion of the Weyenbergs' gift includes matching funds from Dow Corning.

He is an internationally recognized expert on silicone materials, holds 26 patents and has authored numerous publications in that field.

He was named an Alumni Fellow of the Eberly College in 1988 and is a former member of the Penn State Development Council, a fund-raising advisory group.

# Engineering education receives \$220,000 boost

The AT&T Foundation has awarded \$220,000 to the Leonard Center for Innovation and Enhancement of Engineering Education.

The grant, part of AT&T's manufacturing technology grants program, will support an undergraduate concentration in electronic manufacturing in the College of Engineering.

"AT&T is very committed to supporting programs involving electronic manufacturing that serve to improve the productivity and industrial competitiveness of the United States," said P. A. Garry, high performance ICs vice president, AT&T Microelectronics.

The grant underwrites the creation of a multidisciplinary program focusing on three areas of electronic design and manufacture—microelectronics fabrication and packaging, electronic circuit board design and reliability, and surface mount technology and printed circuit board assembly processes.

The Department of Industrial Engineering is pro-

viding \$150,000 in matching funds for the project.

"The U.S. leadership and involvement in worldwide activities in electronic manufacturing must be maintained. This program is an opportunity to win over some of the brightest stu-



AT&T

dents to the area of manufacturing," noted project director E.A. Lehtihet, associate professor of industrial and management systems engineering.

Leonhard Center faculty associates for three engineering departments — Dr. Lehtihet, Stewart K. Kurtz, Murata professor of materials research, electrical engi-

neering; and S. Ashok, professor of engineering science and mechanics — will develop the undergraduate emphasis.

Each faculty associate will develop and offer a new course in his area of interest and supervise a joint senior thesis based on a multidisciplinary team project in electronic manufacturing.

The team project will offer students experience in initiating research, oral and communications skills, creating teams and understanding the basics of corporate and business planning. Advisors also will ask students to explore the human and environmental responsibilities involved in engineering activities.

Approximately 20 cross-disciplinary students will join the electronic manufacturing program in the first year, with about 30 additional students expected to participate through the classes.

# Focus on Research

Intercom  
October 22, 1992

## Researchers develop jet fuel of the future

The next generation of jet fuels may be able to meet the high-temperature demands of future jet engines, thanks to Penn State polymer scientists, infrared spectroscopy and a little luck.

University researchers believe they have not only identified the major reactions contributing to fuel degradation under thermal stress at temperatures in

*In the coming years, jet plane fuels will have to be designed to withstand thermal stresses when temperatures exceed 400 degrees Celsius.*



*Penn State researchers are working to design additives to prevent fuel degradation and retard the formation of black deposits.*

excess of 400 degrees C, but also possible additives to retard carbonaceous deposit formation.

"Jet planes use fuel as both a propulsion source and coolant," said Michael M. Coleman, professor of polymer science. "The fuel is used to cool various systems, and some of the fuel can be subjected to thermal stresses that can degrade the fuel, turning it black and forming carbonaceous deposits."

For the next generation of jet planes, fuels will have to be designed that will withstand thermal stresses at temperatures in excess of 400 degrees C. Additives to prevent fuel degradation are essential.

"My job is to see if we can design additives to retard the formation of the black deposits," said Dr. Coleman, who is working with graduate students Leena Selvaraj and Emily Yoon and Maria Sobkowiak, a postgraduate fellow, on this project.

Dr. Coleman, whose specialty is infrared spectroscopy, used that technique to identify formation of olefins and aromatics in the heat-stressed fuel.

"Unlike gas chromatography/mass spectroscopy, for example, we were fortunate to find that infrared spectroscopy is relatively insensitive to some of the complex chemistry occurring as these hydrocarbons crack and reform, but has just the right sensitivity to show the formation and elimination of double bonds and the subsequent formation of aromatics," Dr. Coleman explained.

"We can correlate the formation of carbonaceous solids with these processes, which permits easy screening in studies aimed at finding possible additives."

The researchers heated samples of Jet A1 fuel to 425 degrees C for 12 hours. The original fuel is clear, colorless and transparent. After heating for one hour, the fuel becomes a transparent light yellow; after three

hours, the fuel is slightly turbid and light brown; and after six hours the liquid is black. At the end of the 12-hour period, the fuel is black and contains a significant amount of black solids.

"We believe that the important question is how to retard the formation of olefins and the subsequent formation of aromatics that lead to carbonaceous deposits," said Dr. Coleman. "We tried classic antioxidants used to stabilize polymers, but they don't work. In fact, they appear to make the situation worse."

"Next, we tried aliphatic alcohols, because they are reasonably stable at high temperatures and we thought they might act as antioxidants at those high temperatures. None of these worked either, except for a slight improvement with ethanol, but this is complicated by phase separation."

"To overcome this problem, we thought that aromatic aliphatic alcohols were worth scouting. To our surprise and delight, both benzyl alcohol and benzene dimethanol worked exceedingly well."

The reason that aromatic alcohols seem to work has nothing to do with their antioxidant behavior, said Dr. Coleman. Rather, the Penn State researchers believe that the reaction taking place is similar to what happens in coal liquefaction.

"Our hypothesis is that benzyl alcohol and the like, rearrange to form aldehydes and provide hydrogen atoms that react with the olefins formed under thermal stresses — in effect, an in-situ hydrogenation."

"We are not sure that this is the mechanism at work, but after 12 hours with 5 percent benzene dimethanol as an additive, the Jet A1 fuel does not contain significant amounts of carbonaceous material and is still a yellow liquid."

The transformation of the cyclic alcohols to aldehydes appears to be rather slow and thus provides a steady supply of hydrogen to stop, or reverse the formation of double bonds.

"One problem with benzene dimethanol is that it is not soluble in Jet A1 fuel at room temperature," Dr.



Michael M. Coleman

Photo: Greg Grieco

Coleman noted. "However, this is a problem we will worry about if these aromatic alcohols truly work to prevent the formation of carbonaceous deposits and the degradation of jet fuels under thermal stress."

This research is funded by Sandia National Laboratory and is part of a larger project, the Compositional Factors Affecting the Thermal Stability of Jet Fuels, currently under study at Penn State and directed by H.H. Schober, chairman of the Fuels Science Program.

— Andrea Elyse Messer

## Highlight on Undergraduate Education

# Associate dean goes back to class to relive the freshman experience

Carl Wolgemuth, associate dean for undergraduate studies in the College of Engineering, found out first hand what it's like to be an engineering student as he attended a full schedule of first-year classes on Wednesday, Oct. 14, at University Park.

He attended classes with first-year students from the Freshman in Science and

**"I wanted to take physics but couldn't get in."**

Carl Wolgemuth  
associate dean for undergraduate studies  
College of Engineering

Engineering House (FISE)—a new dorm living area designed to increase retention and diversity for undergraduates in engineering and science—who actually are in the classes.

"We wanted the administrators to understand what it's like to be a student in a big, sometimes intimidating atmosphere," said Audrey Holes, a FISE student associate and one of the day's organizers.

"We also wanted to let first-year students know that deans are people, too; that they can talk to them."

"Times have changed since Dr. Wolgemuth was last in a Penn State classroom as a student—when he graduated from the College of Engineering in 1956 he was paying \$126 a semester for tuition—and he was delighted with the concept.

"I've always wanted to have an excuse to sneak into a class and see what's going on," he says. "This was an opportunity to see what kind of environment these stu-



Paying close attention ... is Associate Dean Carl Wolgemuth, who spent a full day in first-year classes last week.

Photo: Greg Phillips

dents are operating in and see what the teaching styles are like."

He quickly experienced some of the scheduling frustrations of first-year students. "I wanted to take physics but couldn't get in," he laughed.

## U.S. Information Agency grant to be shared with Juniata College for American Institute of Bangladesh Studies

Syedur Rahman, assistant professor of public administration, has received a \$41,796 grant that Penn State shares with Juniata College in support of research and training at the American Institute of Bangladesh Studies, of which Penn State is a charter member.

The grant comes from the United States Information Agency through its American Overseas Research Centers Program, which has awarded in 1992 grants totaling \$952,989 to American affiliate research institutions in nine countries. The program is designed primarily to benefit American and Bangladesh scholars and students studying or conducting research abroad.

As part of the grant, a special workshop for junior faculty development will be held in Dhaka, Bangladesh, in July 1993.

### CARPOOLER

Linda is seeking fourth person with vehicle to drive alternating days from Philipsburg to Penn State. Work hours are from 8 a.m. to 5 p.m. Call Linda, 865-1352 or Lisa, 865-0909.

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Vol. 22, No. 10

### PENN STATE



### INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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# INTERCOM

October 29, 1992

Volume 22, Number 11

## HealthAmerica will administer University options Health care benefits agreement is signed

Officials of the University and HealthAmerica have announced that final details of an agreement to provide health care benefits for Penn State employees have been confirmed.

The agreement paves the way for HealthAmerica to assume responsibility for administering Penn State's two current health care benefits options and to now add a third option, a health maintenance organization (HMO).

"This agreement provides new options for University employees and new opportunities for Penn State in general," James M. Wagner, vice president for business and operations, said. "We are excited about the arrangement that will be put into place during the next two months."

HealthAmerica, a subsidiary of Coventry Corporation, already serves more than 60,000 members in central Pennsylvania. The addition of Penn State faculty, staff, their dependents and retirees will bring that number to more than 100,000 people.

Penn State will spend more than \$55 million to provide health care benefits to employees this year. In addition to providing an HMO option, HealthAmerica will replace Prudential in administering the current two health care options available to Penn State employees. This includes the hospital/surgical/major medical (Plan A) and the University's Healthpass program.

"Being selected by such a prestigious institution solidifies HealthAmerica's position as a major player in the central Pennsylvania

intent to make the transition virtually transparent to University employees who remain with the current two health care options. They will not

process easier than before in many respects. For instance, there will be no claims forms to submit and there are no deductibles."

Mr. Wagner said that throughout the negotiations with HealthAmerica it has been the University's intention to provide comprehensive, quality health care at a reasonable cost.

"If we can reduce our costs by even a few percentage points through the HMO option, it will save the University and its faculty and staff millions of dollars. Those are funds that can be used in other areas of the University, particularly in difficult economic times like this."

Statewide, HealthAmerica provides health care benefits to more than 250,000 members through affiliations with 35 hospitals and some 1,500 physicians in the Pittsburgh and Harrisburg areas.

Coventry Corporation also operates a preferred provider organization, or PPO, called HealthAssurance. Penn State's HealthPass will remain in operation and will be managed by HealthAmerica.

HealthAmerica has already been providing HMO benefits to the University's Harrisburg and Pittsburgh area campuses, as well as at the Hershey Medical Center. That arrangement will continue and in

See "Health" on Page 3



Billie Willits, assistant vice president for human resources, outlines details of an agreement with HealthAmerica to provide health care benefits for University employees. At right is James M. Wagner, vice president for business and operations. Photo: Grege Grieco

health care market," F. G. "Chip" Merkel, president of HealthAmerica of Central Pennsylvania, said. "We

notice any substantial changes.

"Those who elect the new HMO option will find the health benefits

## "Be a Master Student!" touted as model program

What began as an experimental seminar for a few freshmen at the University has turned into a team-taught, semester-long course that parents are telling their children they must take and students are telling their roommates, "It's the best."

Developed in the College of Agricultural Sciences, "Be a Master Student!" has become a

model for other colleges looking for ways to increase retention and help freshmen be successful in all their courses.

"The idea was that a team of faculty from different fields in agriculture would work with small groups of students on study skills, using problems and examples from our own disciplines and research," said Felix L. Lukezic, professor of plant pathology, who team teaches one of the eight sections with James G. Beierlein, professor of agricultural economics. Students in the seminar also get good advice on how to study, use the library and debate current issues in agriculture. Because classes are small, faculty often form mentoring relationships with students, helping them get involved in college activities and make the best use of University student services and academic advising.

The faculty, who themselves attend seminars on effective teaching and exchange successes and setbacks at informal breakfast meetings, take on a new teaching partner each semester, increasing the number of faculty prepared to team teach. Now in its third year, all freshmen who select Ag 150 are able

to enroll — even the dean team-teaches a section.

"This is the third year I've taught the class. My desk is piled high; I'm in the middle of several research projects, and I already have a rather full teaching schedule. But I especially enjoy teaching this class, so I make room for it. Freshmen arrive full of enthusiasm for college, which too many lose before long. These classes build on their enthusiasm and attempt to give students a home," Dr. Lukezic says.

"I'm especially thrilled with this year's group because they seem more interested in working on social and environmental issues than just getting high-paying jobs. By the second week, you can feel these students becoming more comfortable with the University — they're happy someone is trying to help them be successful in all their courses."

As one student described the class, "It's like sitting under a tree by a stream: it gives me time to think about what I'm going to do."

According to a student assessment conducted

See "Teaching" on Page 5

See related stories inside on Page 4

## Powerful dance performance to grace Eisenhower stage

Urban Bush Women will perform at 8 p.m. Saturday, Nov. 14, in Eisenhower Auditorium at University Park. The show is part of the "Dramatic Encounters" series sponsored by the Center for the Performing Arts.

The program features "Womb Wars," a dance commissioned by the Center for the Performing Arts and making its world premiere at Penn State. It deals with the politicization of the abortion issue, but is not the vehicle for making a political statement.

Urban Bush Women also will perform "I Don't Know, But I've Been Told If You Keep On Dancing You'll Never Grow Old," a celebratory tribute to drum majorettes, drill teams, steppers and double dutch groups who keep the spirit of dance alive in public schools. The number recognizes popular dance and youth culture as art.

The goal of Javole Willa Jo Zollar, choreographer and artistic director of Urban Bush Women, is to create poetry without words through powerful dance. Ms. Zollar does this by allowing the members of her troupe freedom in their movement, within the framework of a theme, that creatively evolves with each performance.

A company member will speak about Urban Bush Women at 7 p.m. Saturday, Nov. 14, in the Eisenhower Auditorium Greenroom.

For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

**Urban Bush Women** will perform at 8 p.m. Saturday, Nov. 14, in Eisenhower Auditorium at University Park



## WPSX-TV to feature documentary on jazz artist

Jelly Roll Morton combines the sounds of ragtime, the blues, African rhythms and French opera to create an eclectic new music called jazz, making him the toast of the Roaring '20s. Yet by the time of his death in 1941, he was a forgotten has-been. But in 1992, Jelly Roll is back in the spot-light, thanks to the current hit Broadway musical Jelly's Last Jam, starring Gregory Hines in his Tony Award-winning performance.

The documentary, "Jelly Roll Morton: The Man Who Invented Jazz?," airing at 9 p.m. Monday, Nov. 2, on Great Performances on WPSX-TV, is both a biographical profile of the real Jelly Roll as well as a backstage look at the production process of the groundbreaking musical, featuring interviews with Gregory Hines, and writer-director George C. Wolfe.

## Title change for vice provost James B. Stewart

To better describe his responsibilities, the title of James B. Stewart, vice provost, has been changed to vice provost for educational equity.

In announcing the title change, John A. Brighton, executive vice president and provost, said that "it will in no way deter Dr. Stewart from his current responsibilities of planning, developing, coordinating, articulating and advocating the University's goals, policies, and proce-

dures pertaining to equal opportunity for underrepresented students, faculty, and staff."

"In fact," Dr. Brighton added, "the title change will underscore the fact that the elimination of inequities in the educational environment is a pre-requisite for fostering institutional excellence in both academic and non-academic areas."

### ☪ DIVERSITY OPPORTUNITIES CALENDAR ☪

#### Wednesday, Nov. 4

Center for Women Students, noon to 1 p.m., 120 Boucke Building. Brown bag lunch discussion titled, "Election '92: Women, Politics and Power," by Nancy Love.

Forum on Black Affairs, 7 p.m., Paul Robeson Cultural Center. General meeting.

#### Thursday, Nov. 5

Commission for Women, 1 to 3 p.m., 225 HUB. General meeting.

#### Saturday, Nov. 14

Office of Minority Faculty Development, 9 a.m. to noon, 114K Kern Graduate Building. "The Publishing Process" is the third in a series of faculty development workshops. Harold Cheatham, professor of education and head of the department of counselor education and counseling psychology, will be the speaker. To make reservations, contact Leah Witzig at 863-1663. All junior faculty are welcome to participate.

## BOOK



## SHELF

Chester L. Wolford, associate professor of English and business, and Gretchen Vanneman, lecturer in English, both at Penn State Erie, The Behrend College, are co-authors of *Business Communication*, published by Harcourt Brace Jovanovich.

The new textbook explores the impact of new global markets and burgeoning technologies such as electronic mail, voice mail, and teleconferencing, on business communications.

"Communication has not changed in

kind," Dr. Wolford said. "But the media by which information and ideas are conveyed have changed greatly. Technology, has, to some degree given America an edge in speed, but the wonderful writing and speaking abilities of many in the work force leave our industries far behind in accuracy and clarity of information."

*Business Communication* outlines skills needed in the workplace through chapters on the process of writing, for business, memoranda, letters, reports, and oral communication. Also included is a glossary/style guide and a chapter on the communications job hunt.

"This book emphasizes that words are the primary symbolic medium of thought, even more so, perhaps, than are numbers," Dr. Wolford added. "Although using the new technologies is essential, no technology will save those who cannot write and speak clearly and accurately."

Manfred Kroger, professor of food science, is editor of the *Proceedings of the Penn State Ice Cream Centennial Conference*.

The international meeting was a four-day event held at University Park in May, 1992, and attended by more than 200 ice cream company executives, researchers and technologists. It commemorated 100 years of the annual Penn State Ice Cream Short Course which from simple, practical beginnings has grown to a 10-day program with over 150 participants from many countries and all over the United States.

The 352-page book contains two dozen original contributions from well recognized experts of marketing, engineering, electron microscopy, bacteriology, and ice cream technology in general.

Penn State contributing authors are Arun Kilara, Stephen J. Knabel, Gerald D. Kuhn and adjunct professor Bruce W. Tharp, as well as emeritus faculty members Helen A. Guthrie, Philip G. Keeney and Stuart Patton.

Dennis Roberts, professor of educational psychology, is the author of three books published by Kendall/Hunt Publishing Co.

*Minitab: An Introduction and Minitab:*

*An Introduction for Business* are tutorial guides to the statistical software system, Minitab.

*Minitab: An Introduction* is written for the general user of Minitab, while *Minitab: An Introduction for Business* presents examples and information more applicable to business settings.

Common to both tutorial guides are sections on entering and editing data, saving data and work, generating data at random, using Minitab macro files, and general purpose statistical uses. Unique to the business version is a section on timeseries analysis.

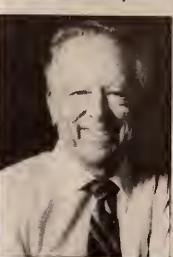
The third book, *Data Analysis for the Social Sciences*, is an introductory textbook on commonly used statistical methods applicable to social science research.

Topics covered include introductions to basic descriptive methods of analysis, sections on correlation and regression, and sections on popular inferential statistical methods. Emphasized in the textbook are applications of Minitab, and Minitab is integrated throughout the book.



# Former Stanford dean to be honored as EMS Alumni Fellow Nov. 3 at University Park

George A. Thompson, professor of geophysics and former dean of the School of Earth Sciences at Stanford University, will be honored as an Alumni Fellow of the College of Earth and Mineral Sciences on Tuesday, Nov. 3, and will meet with faculty and students in the Department of Geosciences.



George A. Thompson

Dr. Thompson received his B.S. in geology from Penn State in 1941, and M.S. in geology and physics from the Massachusetts Institute of Technology. He moved to Stanford in 1946 to study for his doctorate, and has remained there throughout a distinguished career in the earth sciences. He holds the distinction of having taught the first class in geophysics at Stanford in 1947. Twenty years later he became chairman of the Department of Geophysics, and served in this post until 1986. He served as dean from 1987 to 1989.

He has received a number

of prestigious awards for his research, which focuses on the relationships between processes in earth's crust and mantle and large-scale geologic features on the surface. Notable awards include the G.K. Gilbert Award in Seismic Geology of the Carnegie Institution of Washington and the George F. Woodard Award of the Geological Society of America. He was elected to the National Academy of Sciences in 1992.

Dr. Thompson has played a leading role in the geological sciences at the national level, serving, for example, on the National Research Council Board on Earth Sciences, as a director of the Incorporated Research Institutions for Seismology (IRIS), and on the board of directors of the Deep Observation and Sampling of the Earth's Continental Crust, Inc. (DOSECC), and as a consultant to the U.S. Nuclear Regulatory Commission.

He currently is a member of the NRC Panel on Coupled Systems at Yucca Mountain, a member of the IRIS executive committee, a member of the NSF Council on Continental Scientific Drilling, and co-chair of the science planning committee for the EDGE Program for Deep Seismic Reflection Exploration of the Continental Lithosphere.

The Alumni Fellow Award is the highest honor given by the Penn State Alumni Association and is administered in cooperation with the academic colleges. The Penn State Board of Trustees has designated the Alumni Fellow title as permanent and lifelong.

## College of Arts and Architecture

### International arts consultant named Alumni Fellow

Edward Mattil has been named an Alumni Fellow by the College of Arts and Architecture.

During a three-day itinerary, from Nov. 2 through Nov. 4, he will receive the Alumni Fellow Medal, meet with faculty and students and present a lecture Wednesday, Nov. 4, in 104 Chambers Building at University Park.

Dr. Mattil, a Distinguished Fellow of the National Art Association and an international consultant on arts curriculum, holds bachelor of science, master of arts and doctor of education degrees from Penn State. He was a faculty member in the Department of Art Education from 1953 to 1960 and head of the department from 1960 to 1970.

He retired from teaching in 1986 from North Texas State University where he established the Industrial Training Laboratory. The laboratory formed the basis for the Center for Marketing and Design which relates the academic community and the business community in the apparel and home furnishing industries.

Well known as an art educator and researcher, Dr.



Edward Mattil

Mattil has published several important research reports, received various grants, served as a consultant for international agencies and is author of numerous books, editorials and articles. One of his early works, *Meaning in the Crafts*, was a primary source for both students and teachers. Another book, *Meaning in Children's Art*, co-authored by Dr. Mattil and his late wife, Betty, was adopted for use in Texas public schools.

Dr. Mattil was involved in "Key to the Cupboard," a television series of art shows for children, and "Meaning in Art," a five-year project produced in cooperation with WPSX-TV. In 1987, he was honored with the Arts and Architecture/Performing Arts Constituent Society, Alumni Achievement Award.

## Regulations govern survey research

University faculty members are reminded that survey research is a form of human subjects research that also is governed by federal regulations.

The human subjects Institutional Review Board (IRB), made up of faculty, staff, and community representatives, has been approved by the Office of Compliance, formerly the Office for Protection from Research Risks at the National Institutes of Health to review all University research proposals for compliance with federal regulations on the use of human subjects.

The Office for Regulatory Compliance, formerly the Office for the Protection of Human Subjects, coordinates IRB activities and provides letters of assurance for all human subject research approved by the IRB.

While regulations governing survey research are somewhat less restrictive than those that govern riskier forms of human subject involvement, there are several basic requirements that survey research methods must fulfill in order to honor the rights of the subjects involved.

According to the Office for Regulatory Compliance, the first factor to be considered in survey research is subject anonymity.

While anonymity is not required for all types of survey research, anonymous surveys are capable of delving into subject areas that may otherwise be considered by the IRB to be unwarranted invasions of personal privacy.

A second consideration of survey research is informed consent of the subjects.

The Office for Regulatory Compliance recommends that surveys always should include a cover letter or introductory paragraph that outlines: the purpose of the research; the name of the researcher and a means of contacting that individual; how and when the results of the research will be made available to the participants, and a statement informing all potential subjects that their participation is voluntary and that they are free to deny answers to any and all questions. Survey research involving minors requires parental consent.

Administrators and faculty should read University Policy SY-22 "Use of Human Subjects in Research" if they are unsure whether a particular questionnaire is subject to these regulations. The Office for Regulatory Compliance, located in 115 Kern Building at University Park, can provide advice and submissions forms for researchers requesting IRB approval for the use of human subjects in any University project.

Workshops providing instruction on the ethical principles for the use of human subjects will be held in Room 101 Kern Building at University Park at 10 a.m. on the following dates: Thursday, Nov. 5; Thursday, Dec. 10; Thursday, Feb. 4; Thursday, Mar. 4; Tuesday, Apr. 6, and Thursday, May 13.

## OBITUARY

Frank W. Patrick, retired associate professor of health, physical education and recreation, died Sept. 26 at the age of 76.

Mr. Patrick spent 25 seasons as a full-time assistant on the Penn State Nittany Lions football coaching staff and 12 more as a volunteer coach.

He played football for the All-American recognition in 1937 and 1938. He received his bachelor's degree from the University of Pittsburgh in 1938 and his master's degree in education in 1955.

He played professional football for the Chicago Cardinals from 1938 to 1941.

Mr. Patrick was director of athletics and head football coach for the University of Puget Sound in Puget Sound, Wash., from 1945 to 1947. He was an assistant coach with the Pittsburgh Steelers from 1947 to 1949 when he joined the Penn State staff to work with the defensive backs and punters. He retired in 1977.

## Health

### Continued from Page 1

January it will be extended for the first time to employees at University Park. Future plans call for a PPO network serving the majority of Penn State campuses by 1994.

Under the HMO option, a University faculty or staff member selects a primary care physician who in turn coordinates fully covered care with selected specialists and other health care providers within the network, as needed. Billie Willis, assistant vice president for human resources, said,

In anticipation of an agreement, HealthAmerica recently completed negotiations with Hershey Medical Center and Centre Community Hospital to make each facility a part of the health provider network. To date, almost 60 physicians in the Centre County area have signed on as HMO and PPO providers.

Mr. Merkel said HealthAmerica will establish an office in State College which will be staffed by both a general manager and a medical director along with other administrative and member-services personnel. He expects the office to be fully functional by December in time to enroll new members for January.

Costs for health care for University employees have increased approximately 20 percent a year in each of the last five years.

"The flexibility we are offering University employees means they need to review their needs more carefully than ever before and then make the selection that is right for their situation," she added.

University employees have until the end of November to select one of three health benefits options. A faculty or staff member may participate in Plan A, Healthpass, or join the new HealthAmerica HMO option, where it is available.

# COLLABORATIVE TEACHING AWARDS

## And the winners are...

In addition to those highlighted here, faculty who led the following projects also received salary awards:

— Department of Philosophy Diversity Curriculum Integration Group, College of the Liberal Arts

— "The Engineering Coalition of Schools for Excellence in Education and Leadership," College of Engineering;

— Interdisciplinary Earth System Science Group; Earth 002, College of Earth and Mineral Sciences;

— Curriculum Integration Committee, College of Health and Human Development;

— Cluster courses, "Land, Literature and Politics" and "Values, Power, and American Culture," Colleges of Earth and Mineral Sciences, College of the Liberal Arts and the University Scholars Program;

— College Skills Development Program, Berks Campus;

— University Scholars and Honors Program, Worthington Scranton Campus.

## Technology-based teaching team

Faculty in all disciplines at the University now have access to a seminar on how to integrate computer technologies into the classroom because of the pioneering efforts of a technology-based teaching team in the College of Earth and Mineral Sciences.

The Teaching and Learning with Computers seminar, offered for the second time this month by CBEL Teaching and Learning Technologies, is an introduction to the issues, technology and tools for computer-assisted teaching, including the use of digital video and CD-ROM.

"Alistar Fraser got us started," Z. T. Bieniawski, professor of mineral engineering, said. "We were a team of five or six people last fall, not teaching as a team, but learning and developing a teaching strategy as a team. Many of my students were already working with complex computer technology, so I decided that learning to use it in the classroom was a challenge that would enrich my teaching." Dr. Fraser, professor of meteorology, was the leader of the team.

With financial support from the dean's office and the Center for Academic Computing, the group set up an experimental seminar with CBEL staff to learn what would work best. John Diercks, senior research associate in meteorology, and CBEL staff worked with the faculty on many of the physical changes needed to adapt a classroom for computer-assisted instruction.

"Some of the group jumped right in and worked on their course materials instead of sleeping — studying and analyzing computer programs nights and weekends on top of their regular teaching and research commitments. Others were a little more cautious at first," Lawrence Ragan, instructional designer for CBEL and seminar leader, said.

"But we were all learning together; they were learning how to use technology as a teaching tool and we were learning how to teach faculty to use it effectively. We definitely found that the learning process takes time and energy up front, and that to be successful, faculty need to know how they want to apply it. Our seminar last fall provided the foundation for what we now offer as the Teaching and Learning with Computers seminar."

Last spring, each of the faculty incorporated computers into their teaching differently. Some used it nearly every class, others used it more sparingly to stimulate discussion or to make visible a concept that could not be illustrated on the blackboard.

Dr. Bieniawski was able to demonstrate the dynamics of mining design through multimedia, integrating movies, videos, sound text and calculations. "In a class on tunneling, no amount of overheads can convey all the design concepts," he said. "But I only use computer technology every fourth or fifth class; we must leave time for student discussion."

Abraham Grader, associate professor of petroleum engineering, feels that using high-end graphics and 3-D animation actually increases student-teacher interaction because the visual display lets him solicit ideas from his students and then simulate them on the

See "Technology" on Page 5

## Delaware County Campus

### The cultures of Africa take over a campus

One of the campus-based programs, "The Cultures of Africa," was a semester-long and campus-wide program at the Delaware County Campus that integrated courses in African and African-American studies with classes in art history, comparative literature, English, religious studies, Black studies and art education.

With presentations by scholars and artists from Philadelphia, Washington and New York and exhibits from the Matson Museum of Anthropology and the museum at the University of Pennsylvania, the Cultures of Africa reached into all segments of campus life.

"No one could miss it. Signs over buildings, flags of 52 African countries flying from lamp posts, artifacts on display and students wearing brightly painted African clothes brought the cultures of Africa alive even to those not enrolled in African studies classes," art instructor Constance Kirker, said. She and Robert Ginsberg, professor of philosophy, translated their personal fascination with Africa to an immersion education for hundreds.

Both Ms. Kirker, who also teaches at Temple's Tyler School of Art and has several publications on African art, and Dr. Ginsberg, who has taught comparative literature and philosophy since the campus opened, have traveled widely in Africa and contributed many items from their own collections to the exhibits.



Constance Kirker, art instructor, discusses African art in class.

Photo: Paola Tagliamonte

"Most students associate Africa with civil war and famine without any understanding of its complex history and rich culture that despite everything, survives," Ms. Kirker said. "We were just thrilled at how enthusiastically everyone participated and how many have come to appreciate African art and expression."

Part of the 25th anniversary of the Delaware County Campus, the program was particularly remarkable in that Ms. Kirker and Dr. Ginsberg were able to attract the support of so many University offices and area organizations.

The student government, adult and Black student organizations, the faculty senate, Continuing Education and nearly every campus service and administrative unit took part, as did many area universities, libraries and museums. Financial support was provided by the Campus Enhancement Fund, the University Fund for the Improvement of Undergraduate Education, the Pennsylvania Humanities Council, the Department of Art History and the Office of International Programs, among others.

Since then, Ms. Kirker has talked to other University campuses interested in holding campus-wide cultural events and has developed a video on the program that includes information on how they got started. "Major support from senior faculty and administrators is critical to getting a broad-based program under way," she said. Call her at 215-628-0472 for a copy of the 20-minute video.

"Although it took us about two years to plan, 'The Cultures of Africa' program was so successful that even before the festival ended, we began planning one on Asian cultures for 1994. My goal is to have every course on campus — from science and business to math and French — introduce at least one Asian element. If the faculty will give me the topic, I'll find the speaker."

**"Most students associate Africa with civil war and famine without any understanding of its complex history and rich culture that despite everything, survives."**

Constance Kirker  
art instructor

## Teaching

### Continued from Page 1

after the first year, AG 150 students were more likely to exceed their predicted grade-point average, to study in small groups and to be involved in college and University organizations than freshmen who did not participate. They also were more likely to rate their Penn State and College of Agricultural Sciences experiences as "good" to "excellent" — key attributes in student retention.

Faculty in this and nine other programs — ranging from a campus-wide program on Africa to a team of teachers pioneering the use of computer technologies in the classroom — received permanent salary increases this year in recognition of their innovative collaborative approaches to teaching and instruction. The programs selected also demonstrate a multiplier effect of benefits to other faculty or students beyond the original targeted class or program.

In all, 66 faculty and two staff members received Provost's Awards for Collaborative Instruction and Curricular Innovations for their efforts that went far beyond normal teaching and curricular activities.



**Helen Smith** (left), senior assistant librarian, introduces databases in Pattee's Life Sciences Section to students in Manfred Kroger's (background) food science class.

Photo: Greg Grieco

The award-winning programs were selected by an advisory committee of faculty and administrators from projects submitted by deans and campus executive officers. The salary awards were made in addition to those given through merit evaluations by department or unit heads and deans.

"Collaborative teaching that promotes innovative problem solving can add tremendously to the quality of student learning," John A. Brighton, executive vice president and provost, said. "These awards recognize the efforts of faculty who have demonstrated strengths as scholars and researchers and whose efforts as a group have made special contributions to teaching."

## Technology

### Continued from Page 4

spot. He feels it's easier for students to understand reservoir phenomena, fluid flow and particle tracking in underground strata when they are illustrated in three dimensions. With visual and computational tools, the events are self-explanatory.

"The new medium is a major departure from the overhead or slide projector and may be the first substantial change in teaching methods in 500 years. It provides a wonderful platform for bridging the gap between symbolic representations and physical phenomena," he said.

"We definitely won't be able to go back to only using the blackboard. But it's very costly both in terms of time and money — it's not something you can do in an afternoon. Bringing computer technology to the classroom will take a major effort and a long-term commitment by the faculty and the University. Right now, it looks as though they are doing a good job of working together. The University is building or retrofitting classrooms and faculty are learning how to use them. Soon it will catch on like fire and we won't ever be able to go back."

So far, the University's Technology Classroom Initiative has resulted in 13 technology classrooms at University Park and technology classrooms at Penn State Harrisburg and the McKeesport Campus. Plans to create more are underway.

When Dr. Bieniawski surveyed his students, they agreed that the computer technology enhanced their learning, but there were some surprising negative comments as well, most of which concerned seating and projection arrangements.

"We have to pay more attention to the overall teaching environment or using technology can become a distraction," he said. "We need banked seating and ceiling projection. We have to think more about how students receive the mixed media that we can now use. Computers are wonderful, but they don't always work, and they require a massive amount of preparation time. Computers in the classroom need to be kept in perspective — they are only tools."

**"We have to pay more attention to the overall teaching environment."**

Abraham Grader  
associate professor

## PENN STATERS

**Stanley Baker**, professor of education, has received the Distinguished Professional Service Award from the North Atlantic Regional Association for Counselor Education and Supervision.

**Robert Carline**, adjunct professor of fish and wildlife science, has received a meritorious service award from the Northeastern Division of the American Fisheries Society for his service as president for the past year.

**James Diamond**, assistant professor of agricultural and extension education; **Daniel Hagen**, associate professor of animal science; **Gary Jackson**, graduate student in agricultural and extension education, and **Francis Witham**, professor of horticulture and plant physiology, have received the Governor's Award for Excellence in Teaching for their contributions to the 1992 Pennsylvania Governor's School for the Agricultural Sciences.

**Roger Gelger**, professor of higher education, presented a seminar titled "The Dynamics of Academic Research in the United States: Institutional Change in the 1980's" to the Swedish Collegium for Advanced Studies in the Social Sciences at Uppsala, Sweden. He also spoke at a conference on "The Research Foundations of Advanced/Graduate Education in Five Countries" in Stockholm.

**Henry Giroux**, Waterbury professor of secondary education, gave the closing plenary address titled "Dimensions of

Literacy in a Multicultural Society" at the Literacy and the Politics of Difference Conference at Concordia University in Canada.

**Daniel Hagen**, associate professor of animal science, has received the Young Scientist Award from the Northeast Section of the American Society of Animal Science.

**Kathryn E. Hood**, associate professor of human development, gave an invited address, "Female Aggressive Behavior in Developmental Perspective: Studies of Selectively Bred Mice," at the Tenth World Meeting of the International Society for Research on Aggression in Siena, Italy.

**Larry Hutchinson**, professor of veterinary science, has received a distinguished service award from the American Association of Bovine Practitioners.

**William Kelly**, county extension director in Westmoreland County, has been elected president of the National Association of County Agricultural Agents.

**Deborah R. Klevans**, research project associate, Continuing Education Office of Program Planning, has been elected to a two-year term as director-at-large of the American Association for Adult and Continuing Education.

**Srdrah Komarneni**, professor of clay mineralogy at the Materials Research

Laboratory and Department of Agronomy, was an invited speaker and a session co-chairman at the Porus Materials International Forum for Materials Engineers at Sango-Fusame, Japan. He also gave two invited lectures, one at Tokyo Institute of Technology on "Sol-Gel Nanocomposites," and the other at Asahi Chemical Company on "Cation Exchange in Calcium Silicates."

**R. Scott Kretschmar**, professor of exercise and sport science, delivered a paper, "Qualitative Distinctions in Play," at the international meeting of the Philosophic Society for the Study of Sport in Berlin, Germany.

**Manfred Kroger**, professor of food science, has been appointed chairman of a group within the U.S. National Committee of the International Dairy Federation that will assist in the production of an international dairy dictionary.

**William Merrill**, professor of plant pathology, and **Nancy Wenner**, senior research assistant in plant pathology, have received Outstanding Service Awards from the Pennsylvania Christmas Tree Growers' Association.

**Gary L. Messing**, director of the Particulate Materials Center and professor of ceramic science and engineering, has been appointed editor of the *Journal of the American Ceramic Society*.

**Robert E. Newnham**, Alcoa professor of solid state science at the Materials Research Laboratory, was the plenary

lecturer at the 12th International Symposium on the Reactivity of Solids at the Universidad Complutense in Madrid, Spain. He discussed recent development in electroceramic sensors and actuators.

**Peter Rubba**, professor of education, has been named to the Education Committee of the Pennsylvania Chemical Industry Council.

**William Sopper**, professor of forest hydrology, has received the 1992 William T. Plass Award from the American Society for Surface Mining and Reclamation in recognition of his preeminent research in mine land reclamation.

**Charles M. Super**, professor of human development, has been elected a fellow of the American Psychological Association. Dr. Super was elected a fellow of the APA's Division of Developmental Psychology.

**Joan Thomson**, associate professor of rural sociology, has received a two-year appointment on the action policy committee of the *Journal of Home Economics* and the American Home Economics Association.

**Vicki Williams**, assistant director, Audio-Visual Services, has been elected president-elect of the Consortium of College and University Media Centers for 1992-93.

### Odyssey from WPSU

On "Like a Tangled Hair," the next Odyssey Through Literature broadcast, Leonard Rubinstein and his guest discuss Japanese poetry and aesthetics.

Stephen Heine, assistant professor of religious studies, contrasts the poetry and thought of the Zen philosopher Dogen with that of the more conventional "escapist" Zen tradition.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Bach's Lunch

The Penn State Vienna Orchestra will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the Lutheran Parish.

The program will feature the first movement of Schubert's Symphony No. 2 and a movement from Joseph Suk's "Seven-ade for Strings."

The Penn State Vienna Orchestra consists of 22 music majors and nonmajors who are preparing for a European tour May 9 through 21. This is only the second tour for an orchestra from Penn State and will include stops in Vienna, Prague, Stuttgart and Munich. The group is directed by Douglas Meyer of the School of Music faculty.

### Showcase concert

Faculty from the School of Music will perform a "Faculty Showcase Concert" at 4 p.m. Sunday, Nov. 1, in the School of Music recital hall at University Park.

The first half of the program will feature the music of Mozart, Ravel and Schubert in a performance by soprano Suzanne Roy, associate professor of music (voice); tenor Richard Kennedy, assistant professor of music (voice); and baritone Norman Spivey, assistant professor of music (voice). They will be variously accompanied by Steven Smith, professor of music (piano); Marylene Dosse, professor of music (piano); James Lyon, assistant professor of music (violin); Kim Cook, assistant professor of music (cello); Eleanor Armstrong, assistant professor of music (flute); Lisa Bontrager, assistant

professor of music (horn); and Smith Toulson, professor of music (clarinet).

The program also will feature a performance of Olivier Messiaen's monumental work, "Quartet for the End of Time," by clarinetist Toulson, cellist Cook, pianist Lyon and violinist Smith. This performance will pay tribute to Messiaen who died earlier this year.

The performers and repertoire for this concert, first in a series of two for the 1992-93 season, have been chosen to represent a wide array of styles and genres featuring new and established faculty artists. The proceeds from these events will benefit the School of Music Endowment Fund for scholarships and other needs.

Tickets are \$6 for adults; \$3 for students. Tickets will be available from the School of Music and at the Recital Hall doors. For ticket information, call the School of Music at (814) 865-0341.

### Percussion ensemble

The Penn State Percussion Ensemble, under the direction of associate professor Dan C. Armstrong, will present its annual fall concert at 8 p.m. Tuesday, Nov. 3, in the School of Music Recital Hall at University Park.

The program will include "Chamber Music for a Three-Movement Suite" by award-winning composer Robert Suderburg, "Concerto for Timpani and Percussion Ensemble" by John Beck and "Kotrab," a composition inspired by the rhythms of Bela Bartok's "Concerto for Orchestra." In memory of the well-known American composer John Cage, the ensemble will perform a version of Cage's "433."

The concluding works are intended to celebrate election night. "Ogoun Badagris," by Christopher Rouse, is a programmatic composition depicting black sacrifice. The tale, "Cantina Band," was transcribed for percussion ensemble by Penn State alumnus Richard C. Gipson, now chairman of the School of Music at the University of Oklahoma. The musically absurd work, composed by John Williams, was featured in the popular film "Star Wars."

"Concerto for Orchestra" will feature Kevin J. Tutt as solo timpanist. Mr. Tutt is a senior music education major and a student in the University Scholars program. Also featured will be the Penn State Mallet Ensemble, performing compositions of Tchaikovsky and Smetana in transcriptions for marambas by Chicago Symphony Orchestra percussionist Gordon Frey.

The concert is free to the public.

### 'Megiddo' lecture

Israel Finkelstein, professor of archaeology at the University of Tel Aviv, will give a presentation, "Megiddo," at 8 p.m. Thursday, Nov. 5, in 112 Walker Building at University Park as the inaugural lecture series in Jewish Studies.

Michener's book, *The Source*, and of the Biblical Armageddon.

Professor Finkelstein is best known for his excavation at Biblical Shiloh and for his work on the history of the Israelite settlement of Canaan.

His visit is sponsored by the Program in Jewish Studies, the Central Pennsylvania Society, the Archaeological Institute of America, the Institute for the Arts and Humanistic Studies, the College of the Liberal Arts and the College of Arts and Architecture.

### Lecture/concert

Martin Bresnick, professor of composition and coordinator of the Composition Department at the Yale School of Music, will present a lecture, "Neither Modernism nor Postmodernism: Aspects of My Music," at 2:30 p.m. Friday, Nov. 6, in the School of Music Recital Hall at University Park.

Two of his compositions, "Just Time" and "Tent of Miracles," will be performed at 8 p.m. Thursday, Nov. 5, in the Recital Hall.

Dr. Bresnick's compositions cover a wide range of media, including chamber music, symphonic compositions and computer music. They have been performed by the American Composer Orchestra, the San Francisco Symphony and numerous orchestras abroad. His work has been supported through fellowships and prizes, including a Fulbright Fellowship, N.E.A. composer grants, A.S.C.A.P. Awards, a Rome Prize and a MacDowell Colony Fellowship.

He received his education at the Hartt School of Music, Stanford University and the Akademie fur Musik, Vienna. He has studied with Gyorgy Ligeti, John Chowning and Gottfried von Einem.

The lecture is second in the series, "Music Today: 1992-93," sponsored by the School of Music. Both the lecture and the concert are free to the public.

### Boston Camerata

The Boston Camerata will perform "New Britain: The Roots of American Folksong" at 8 p.m. Saturday, Nov. 7, in Schwab Auditorium at University Park.

Composed of singers and instrumentalists, the Camerata revives the music of the Middle Ages, the Renaissance and the early Baroque period to explore connections between early music and American folksong.

Under the direction of Joel Cohen, the Camerata has toured extensively in the United States and abroad. Their album, "New Britain," became a national best-seller in 1990, one of the few early music recordings to achieve such widespread acceptance.

Seats are limited. For information call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

### Holiday cards

The Penn State Bookstore on Campus is now taking orders for the 1992 Penn State Holiday Card, featuring sketches of Old Man, the Lion Shrine, the main campus gate and message: "Season's Greetings and Best Wishes for a Happy New Year."

Orders for 50 cards or more are

\$40 each (net price, no further departmental discounts apply). Boxes of 10 cards are available for \$6.95 (regular retail). Please use a standing order number or limited order to reserve your holiday cards. General funds should not be designated for this purchase; unrestricted departmental gift funds should be used for this purpose.

Please reply by Nov. 13 to be sure to receive your cards before December. Contact Shirley Baney or Stephanie Luthar at 863-2512 or 863-3558. Thank you.

### Photo exhibit

Photographs by Ron Beadenkopf, a senior studying art with an emphasis in photography, are on display in the Hetzel Union Building Art Alley at University Park until Nov. 8.

Mr. Beadenkopf, who was raised on a farm in Amish country in southeastern Pennsylvania, spent several years in the rain forests of Central America.

"All of these experiences fueled my love of nature," he says.

### Scopes on WPSU

Jan Brenchley, professor of microbiology and biotechnology, will be the featured guest on the Nov. 5 segment of the WPSU radio program, "Scopes: Women and Minorities in the Sciences at Penn State."

The half-hour program will air at 12:30 p.m. following a companion program on Penn State University of Minnesota and distributed by National Public Radio, titled "Science, Lives: Women and Minorities in the Sciences," which will begin at noon. The topic of the companion National Public Radio program on Nov. 5 is "Soul of a New Gen."

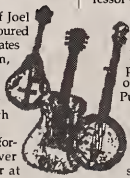
Dr. Brenchley is a former head of the Department of Molecular and Cell Biology and was the founding director of the Penn State Biotechnology Institute. She is a member of the advisory committee of the American Type Culture Collection, a primary distributor of microorganisms and cells to researchers throughout the world. She also serves on the National Biotechnology Policy Board of the National Institutes of Health. The board reviews all government biotechnology programs and develops strategies for maintaining the strength of the U.S. biotechnology industry.

Londa Schiebinger, associate professor of history and host of the series, will interview Dr. Brenchley.

"Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

### The arts on Channel 3

Cabaret singer Julie Wilson performs torch songs and presents soulful stylings such as "I'm Still Here," "Most Gentleman Don't Like Love," "Laziest Gal in Town," "Unlucky in Gambin'" and "Don't Ask a Lady in 'Til Wilson's Song Book," airing at 10 p.m., Monday, Nov. 2, on WPSU-TV. The program also includes a biographical sketch outlining Mrs. Wilson's 50-year career in show business.



# University Park Calendar

Oct. 29 — Nov. 8

## SPECIAL EVENTS

Thursday, Oct. 29

- Conference, "Peopling the New World: The Transfer of Ideas, Customs, and Social Institutions from Central Europe to the Middle Colonies in the 17th and 18th Centuries," Penn State Univ., 12:15 p.m., 325 Whitmore Lab. Arne Mulkers on "Deriving Life Data Structures in Logic Programs by Means of Abstract Interpretation."
- Gerontology Center, 4 p.m., 106 Mitchell. Gerald McCleam, dean, College of Health and Human Development, on "Behavioral Genetics: The Last Century and the Next."
- Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Young O. Lee and Karthekeyan Chittay.

Friday, Oct. 30  
Noontime concert, Kern Lobby. Happy Valley Flute Trio.  
Documentary, noon, Carnegie Cinema. "Are My Ears on Wrong? A Profile of Charles Lyle," hosted by Taylor Greer.  
Nittany Lion Fall Classic, Ag Arena. Also Oct. 31.  
Lecture, 2 p.m., Rare Books Room of Pattee. Jana L. Bara on "William Notman: Photographer and Father of the Canadian Image."

■ Geography Coffee Hour, 3:30 p.m., 319 Walker. Michael Conroy, Univ. of Texas, on "Latin America and the New Global Economy: Is There a Place?"  
Shaver's Creek, 7 p.m., Pumpkin Carving. Call 863-2000.  
STS Lecture Series, 7:30 p.m., 112 Walker. Wolfgang Schirmacher, Univ. of Hamburg, on "Artificial Life: Innovations in Communication."  
Guest Artists, 8 p.m., School of Music Recital Hall. American Reed Trio.

Friday, Oct. 30  
Noontime concert, Kern Lobby. Happy Valley Flute Trio.  
Documentary, noon, Carnegie Cinema. "Are My Ears on Wrong? A Profile of Charles Lyle," hosted by Taylor Greer.  
Nittany Lion Fall Classic, Ag Arena. Also Oct. 31.  
Lecture, 2 p.m., Rare Books Room of Pattee. Jana L. Bara on "William Notman: Photographer and Father of the Canadian Image."

■ Geography Coffee Hour, 3:30 p.m., 319 Walker. Michael Conroy, Univ. of Texas, on "Latin America and the New Global Economy: Is There a Place?"  
Shaver's Creek, 7 p.m., 1030 p.m., Haunted Forest Trail. Also Oct. 31 and Nov. 1. Call 863-2000.  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. The New World Symphony, Michael Tilson Thomas, conducting.

Saturday, Oct. 31  
College of Engineering, Spend a Fall Day.  
Shaver's Creek, 3:5 p.m., Children's Magical Trail. Also Nov. 1. Call 863-2000.

Sunday, Nov. 1  
Poetry Reading, 4 p.m., Recital Hall. "Faculty Showcase Concert."  
Poetry Reading, 7 p.m., 101 Kern Bldg. Tess Gallagher and Liliana Ursu.

Monday, Nov. 2  
■ Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Christiane Makward on "How the French Think about Difference Today, A Modest Report."  
Russell Marker Lectures, 8 p.m., 111 Wartik. Joseph H. Taylor on "Lara's Most Precise Clocks."

Tuesday, Nov. 3  
Marker Lectures, 4 p.m., 104 Classroom Bldg. Joseph H. Taylor on "Pulsar Timing and Relativistic Gravity."  
Penn State Percussion Ensemble, 8 p.m., School of Music Recital Hall. Fall concert.

Wednesday, Nov. 4  
Center for Women Students Brown Bag Lunch Series, noon, 120 Boucke. Nancy Love on "Election '92: Women, Politics, and Power."  
Marker Lectures, 4 p.m., 201 Classroom Bldg. Joseph H. Taylor on "Searching for Pulsars."

Thursday, Nov. 5  
Alpha Epsilon Iota Dinner, 6:30-8:30 p.m., Nittany Lion Inn. David N. Wormley, dean of the College of Engineering, on "Engineering Education in the 21st Century."  
Thursday, Nov. 5  
Marker Lectures, 4 p.m., 110 Wartik. Joseph H. Taylor on "The Galactic Population of Pulsars."  
Clara Bloom as Virginia Woolf's Mrs. Dalloway, 8 p.m., Schwab Auditorium.  
School of Music, 8 p.m., Recital Hall. Martin Bresnick's "Just Time" and "Tent of Miracles" performed by the Pennsylvania Quintet and saxophonist Dan Yoder.  
Jewish Studies, 8 p.m., 112 Walker. Israel Finkelstein on "Megiddo."  
Bracken Lecture, 8 p.m., 102 Classroom Bldg. Michael Vergason

on "Florent Work."  
Friday, Nov. 6  
School of Music, 2:30 p.m., Recital Hall. Martin Bresnick on "Neither



**Pennsylvania Dance Theatre** presents excerpts of new works at "Informance 1992." Sunday, Nov. 8, in Schwab Auditorium.

Modemism nor Post-Modemism: Aspects of my Music."  
■ Geography Coffee Hour, 3:30 p.m., 319 Walker. Larry McGillin, visiting prof., on "The Social Geography of China in the United States 1870-1920."

Saturday, Nov. 7  
Shaver's Creek, 7:30 p.m. Fireside Stories. Call 863-2000.  
Center for the Performing Arts, 8 p.m., Schwab Aud. Boston Camera to perform "New Britain: The Roots of American Folk Song."

Sunday, Nov. 8  
Shaver's Creek, 2-3:30 p.m. Winged Hunters. Call 863-2000.

## CONFERENCES

Oct. 29-31. Human Genome Diversity Workshop II; 50 attendees; Days Inn; K. Weiss, chair, W. Slamer, coordinator.

Oct. 29-31. PA Allied Health; 85 attendees; Nittany Lion Inn; R. Marks, chair; C. Hard, coordinator.

Oct. 30-31. Penn State's Wrestling Coaches Clinic; 50 attendees; Elby's, J. Fritz, chair; J. Misom, coordinator.

Oct. 31. Job Search Workshop; 36 attendees; R. DeShong, chair; J. Sindlar, coordinator.

Nov. 1-3. Junior, Science and Humanities Symposium; 135 attendees; Days Inn; D. Kindeast, chair; J. Sindlar, coordinator.

Nov. 4-6. Logistics Leaders Forum; 25 attendees; Nittany Lion Inn; J. Menoher, coordinator.

Nov. 6-7. Lady Lion Basketball Coaches Clinic; 135 attendees; Holiday Inn; R. Portland, chair; C. Hent, coordinator.

Nov. 6-7. American Society for Engineering Education; 150 attendees; Nittany Lion Inn, Days Inn; R. Engel, chair; R. Madigan, coordinator.

Nov. 6-7. State Urban and Community Forestry Workshop; 200 attendees; Nittany Lion Inn, Hampton Inn, Best Western; B. Eimendorf, chair; M. Johnson, coordinator.

Nov. 8-13. Executive Management Program No. 88, Week IV; 15 attendees; Nittany Lion Inn; A. Clark, chair; J. Menoher, coordinator.

Nov. 8-20. Industrial Marketing Management Program; 35 attendees; Nittany Lion Inn; J. Menoher, coordinator.

## SEMINARS

Thursday, Oct. 29  
Ceramic Science, 11 a.m., 301 Steidle. Larry F. Allard, Oak Ridge

National Lab., on "Electron Holographic Observations of Domain Walls in Ferroelectrics."

Graduate Program in Ecology, 3:45 p.m., 111 Wartik. Timothy Kimmel, Eastern Kentucky Univ., on "Habitat Use by Nesting Northern Goshawks in Two Forest Regions of Pennsylvania."

Computer Science, 4 p.m., 325 Whitmore Lab. Arne Mulkers on "Deriving Life Data Structures in Logic Programs by Means of Abstract Interpretation."

Gerontology Center, 4 p.m., 106 Mitchell. Gerald McCleam, dean, College of Health and Human Development, on "Behavioral Genetics: The Last Century and the Next."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Young O. Lee and Karthekeyan Chittay.

Friday, Oct. 30  
Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. Itzhak Shavit, Ohio State, on "Multireference Perturbation Theory for the Calculation of Potential Energy Surfaces."

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Ken Birnour, Univ. of Mich., on "Noisy Evolutionary Processes and Equilibrium Selection."

Leonhard Center, Innovative Minds seminar series, 12:15 p.m., 256 Hammond. Phil Bedditt, Rice Univ., on "Innovative Use of Computers in Learning."

Agromy, 3:45 p.m., 101 Ag. Sciences & Industries. Liliana Ganfrea, Naples, Italy, on "Soil Enzymes: An Example of Naturally Immobilized Enzymes."

Monday, Nov. 2  
Agricultural and Biological Engineering, 12:20 p.m., 239 Ag Engineering Bldg. Andy Deichert on "Nonpoint Ground-Water Pollution Potential in Pennsylvania."

Tuesday, Nov. 3  
Plant Pathology, 1 p.m., 112 Buckhout. Charles Orth on "Possible Function Cereopsis in the Biology of Certain Cereospora spp. Especially C. kikvidzi."

Biology, 4 p.m., 8 Mueller. Adam Richman on "Evolution of Ecological Segregation in the Old World Warblers."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson. William Plummer on "Diet Composition, Substrate Oxidation and Weight Regulation: Human Calorimetry Data."

Wednesday, Nov. 4  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. Leland Engle on "The Ups and Downs of Building a Small Satellite."

Thursday, Nov. 5  
Ceramic Science, 11 a.m., 301 Steidle. Prabhak K. Gupta, Ohio State Univ., on "Glass-Forming Ability and Topologically Disordered Networks."

Master Teacher Seminar Series, 3:30 p.m., 118 Ag. Sciences and Industries. Helen A. Marull, "On Discovering Who and Relating to Students in Large Class Sections."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Jaya Chandra, assoc. prof. of industrial engineering.

Friday, Nov. 6  
Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. Jesse Ford on "Non-Linear Spectroscopy of Water Surfaces."

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Michael Rubín, president, Molinaro/Rubin Associates, Philadelphia.

## EXHIBITS

**Chambers Gallery**  
Collaborative Postcard Prints, through Dec. 4.  
Hetzell Union Building

**Art Alley:**  
Photographs by Ron Beadenkopf, until Nov. 8.

**Kern Gallery**  
Laura Hendricks, baskets, through Oct. 30.  
Evan Weaver, drawings, through Oct. 30.

**Pattee Library**  
Main Lobby:  
"Tracing the Libraries: The Preservation Problem," through Nov. 9.

**East Corridor Gallery:**  
Art works by Ann Vandeveldt, through Oct. 31.

**West Lobby Gallery:**  
Watercolor and drawings by Stephen Richmond, through Oct. 31.

**Rare Books Room:**  
Pochin: Color illustration by Sencie.

**Zoller Gallery:**  
"Time Pieces," through Nov. 1.  
School of Visual Arts Faculty Exhibition, Nov. 9-Dec. 10.

■ Reflects an international perspective

# Senate debates restructuring, compares salaries

A discussion on restructuring the organization of the University Faculty Senate dominated the Oct. 20 meeting, as Senators expressed their concerns about collapsing several committees and redirecting responsibilities.

In a final report to the Senate, Thomas Daubert, professor

of chemical engineering and chair of the committee appointed to review the Faculty Senate, described the major organizational changes proposed by the committee.

For the past 16 years, the Faculty Senate has operated under the same structure, but during that same time period new responsibilities and duties have surfaced. The committee reviewing the Senate, its bylaws, constitution and standing rules was appointed in November 1991 in an effort to help the Senate function more efficiently.

Included in the proposed changes highlighted by Dr. Daubert are the creation of a new Faculty Benefits committee, the elimination of the External Affairs Committee and the establishment of a new Committee on Undergraduate Education. In addition, the proposal seeks to make the role of the Senate Council more proactive and would allow the carryover of Senate business from year-to-year.

The review committee has proposed decreasing the number of standing committees and establishing sub-committees, which it believes will be more useful in performing assigned duties. The new structure would include Senate Council plus 11 standing committees, as opposed to the current structure, which includes Council and 13 standing committees.

The two areas that received the most attention were the elimination of the External Affairs Committee and the subsequent absorption of its duties by Senate Council, and the collapsing of several committees into one overarching Undergraduate Education Committee.

Members of the External Affairs Committee expressed concern because they were not consulted before the proposal was brought to the Senate floor. Others noted that the proposed Undergraduate Education Committee, which would now oversee issues involving continuing education, student services, academic standards and retention and transfer, had an overflowing plate. In the past, separate committees have handled those issues. In addition, the Student Life Committee was omitted.

George Bugby, executive secretary of the Senate, said the report will most likely be brought to the floor of the Senate for another formal session, followed by an informational report, and will probably not be acted on until January or February.

In other business:

- An informational report comparing University faculty salaries with salaries from similar institutions was presented. Some senators indicated it was difficult to make comparisons without having the low-, median-, and high-range salary figures for other institutions. Because Penn State receives this information through a data exchange with more than 30 other institutions, it is not possible to obtain that type of data.

Chart 1 gives the comparison for average faculty salaries at Big Ten institutions and Penn State—University Park only, while Chart 2 compares Penn State's faculty salary increases over the past five years with those from other institutions in the Association of American Universities Data Exchange.

Chart 1  
**Average Salaries of Instructional Faculty at Big Ten Institutions 1991 - 92 (These figures include librarians)**

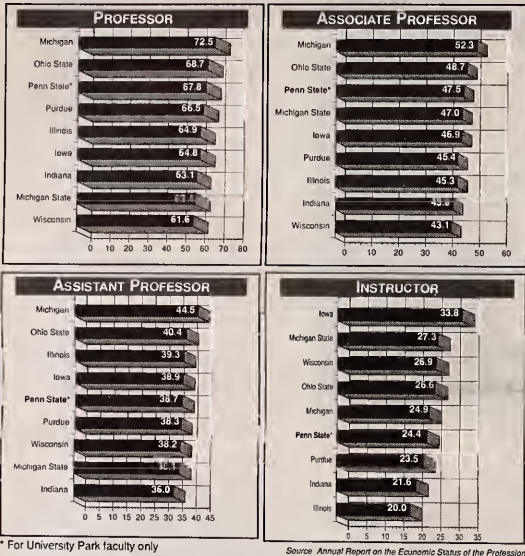
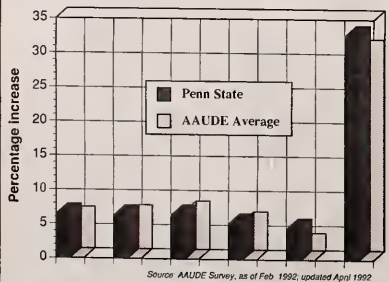


Chart 2  
**Comparison of faculty salary increases between AAUDE institutions and Penn State 1987-88 to 1991-92**



AAUDE Institutions included in this survey are California, Colorado, Ohio, Illinois, Indiana, Iowa, Iowa State, Kansas, Maryland, Michigan, Michigan State, Minnesota, Missouri, Nebraska, North Carolina, Ohio State, Oregon, Penn State, Pittsburgh, Purdue, Texas, Virginia, Washington, and Wisconsin.

## FACULTY / STAFF ALERTS

### TIAA thanks

The University and the Office of Human Resources wish to express appreciation to TIAA for preparing and paying for the printing and postage for the benefits information recently sent to faculty and staff member's homes. TIAA offered to do this as a service to the University community, and a special thank you is most appropriate.

### SERS Retirement Sessions

One of the services of the regional office of the State Employee's Retirement System is to offer group retirement sessions to members of that retirement plan. The State College office will be conducting such sessions in 101 Kern Building on the following dates:

Nov. 4, 10 a.m. and 1:30 p.m.;  
Nov. 5, 1:30 p.m.; Nov. 13, 10 a.m.;  
Nov. 19, 10 a.m.; Nov. 23, 9 a.m.;  
Nov. 24, 1:30 p.m.; Dec. 1, 1:30 p.m.; Dec. 4, 9 a.m.; Dec. 9, 10 a.m.

The meetings are one and one-half hours in duration and are designed to provide faculty and staff the opportunity to ask questions concerning the State Employee's Retirement System.

### Fresh Start Program

The American Cancer Society Fresh Start program will be offered at University Park next month to coincide with the annual Great American Smokeout. Faculty and staff who are considering quitting for the Smokeout on Nov. 19 may want to enroll in this program in preparation for the day.

The program begins on Monday, Nov. 9, and meets for four sessions (Nov. 9, 11, 16, 18) from 12:30 to 2:00 p.m. in 410 Rider Building. Space is still available and interested faculty and staff are invited to participate. There is no charge for the program.

To enroll in the Fresh Start program, call the Faculty/Staff Health Promotion Office at (614) 865-3085.

### CARPOLERS

Kelly is seeking a fourth person with a vehicle to drive alternating weeks from Centre Hall to University Park. Work hours are from 8 a.m. to 5 p.m., Monday through Friday. Call 865-7472 or 364-9490 for arrangements.

Phillipsburg carpool seeking fourth person to drive alternating days to University Park from 8 a.m. to 5 p.m. Call Lisa (865-0909) or Linda (865-1352).

Clearfield carpool seeking person with vehicle to drive to University Park. Work hours are 8 a.m. to 5 p.m. Call Amy at 865-4049.

## LECTURES

Russell Marker Lectures in Astronomy and Astrophysics

## Princeton physicist to speak in November

Joseph H. Taylor, James S. McDonnell distinguished university professor of physics at Princeton University, will present the 1992 Russell Marker Lectures in Astronomy and Astrophysics Nov. 2-5 at University Park.

The four-lecture series, "Pulsars After 25 Years," is sponsored by the Eberly College of Science and is free to the public.

The schedule includes: "Nature's Most Precise Clocks," 8 p.m. Monday, Nov. 2, 111 Wartik Laboratory; "Pulsar Timing and Relativistic Gravity," 4 p.m. Tuesday, Nov. 3, 104 Classroom Building; "Searching for Pulsars," 4 p.m. Wednesday, Nov. 4, 201 Classroom Building; and "The Galactic Population of Pulsars," 4 p.m. Thursday, Nov. 5, 110 Wartik Laboratory.

Dr. Taylor has research interests in radio astronomy, pulsars, and experimental gravitation. Among other important results, his work on binary pulsars has led to the first, and so far the only, test of relativistic gravity to confirm the existence of gravitational radiation.

The winner of this year's Wolf Prize in Physics, Dr. Taylor has received numerous awards, including the 1975 Bart J. Bok Prize of Harvard College Observatory, the 1980 Dannie Heineman Prize of the American Astronomical Society and the American Institute of Physics, and the 1985 Henry Draper Medal of the National Academy of Sciences. In 1991, the NAS honored him with its John J. Cary Award for the Advancement of Science and the Albert Einstein Society named him an Einstein Prize laureate.

An elected member of the National Academy of Sciences and a Fellow of the American Academy of Arts and Sciences and the American Physical Society, he also is a member of the American Philosophical Society, the International Scientific Radio Union, and the International Astronomical Union.

Prior to joining the faculty at Princeton in 1980 as a professor of physics, Dr. Taylor was a faculty member at

the University of Massachusetts and served as a consultant in mathematics-surgery at Massachusetts General Hospital from 1972 to 1976 and as the associate director of Five College Radio Astronomy Observatory from 1977 to 1981. He was named Eugene Higgins professor of physics at Princeton in 1982 and James S. McDonnell distinguished university professor of physics in 1986. Most recently, he has been a visiting scientist at Arecibo Observatory and at the Australia Telescope National Facility.

A 1963 graduate of Haverford College with a bachelor's degree in physics, Dr. Taylor earned a doctoral degree in astronomy at Harvard University in 1968. In 1985, the University of Chicago presented him with an honorary doctor of science degree.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapy, including the birth control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in the chemical sciences, evolutionary biology, genetic engineering, and the physical sciences.



Joseph H. Taylor

## Landscape architect to be first in series

Landscape architect Michael Vergason will present a lecture, "Recent Works," at 8 p.m. Thursday, Nov. 5, in 102 Classroom Building at University Park. The lecture is first in the 1992-93 Bracken Series sponsored by the Department of Landscape Architecture.

Mr. Vergason, principal of Michael Vergason Landscape Architects, received his bachelor's and master's degrees in landscape architecture from the University of Virginia and was a fellow with the American Academy in Rome. He has taught at several universities, including Harvard, Catholic and Cornell, and his articles have appeared in *Modulus* and *LA Magazine*.

Mr. Vergason's recent projects include the IBM Corporate Campus at Rockspring, Md., and the International Trade Center in Barcelona, Spain, both for Pei, Cobb, Freed and Partners Architects. His work was featured in the May 1991 issue of *Landscape Architecture Magazine*.

The Bracken Series, now in its eleventh year, features leaders in the field of landscape architecture and annually honors a distinguished individual as the John R. Bracken Fellow. Mr. Bracken was among the first to graduate from Penn State with a degree in landscape architecture and served as department head from 1924 to 1957. An endowment from his estate makes the lecture series possible.

The lecture is free and open to the public.



Michael Vergason

## NEWS IN BRIEF

## Library talk

The Library Faculty Organization of the University Libraries is sponsoring a talk on "Electronic Access to Information in Europe," to be presented by Peter Dunning, at 3:30 today in C-5 Gates Library at University Park.

Mr. Dunning is the database services manager of the Information Center at INSEAD, the European Institute for Business Administration located in Fontainebleau, France.

## Phonebook recycling

Faculty/Staff and Student telephone directories are now being distributed. Once again the Office of Physical Plant is asking that you recycle your old phonebooks.

Recycling phonebooks is much easier this year. Now that newsprint is being collected separately, phonebooks can be recycled simply by putting them in the newspaper recycling barrels located in each building. There is no deadline for when phonebooks will be accepted. They can be placed in the newspaper barrels at anytime.

Each year the University distributes over 70 tons of Faculty/Staff, Student, Bell of PA, and Donnelly directories. Seven tons of phonebooks

were collected in last year's effort to recycle Bell and Donnelly directories.

## Salvage and Surplus

Salvage and Surplus Operations at University Park has announced the expansion of its sale hours. Effective immediately, the warehouse will be open from 9 a.m. until 3 p.m. Monday, Tuesday, Thursday and Friday. The operation will remain closed on Wednesdays.

According to Will Gallaher, supervisor of Salvage and Surplus Operations, the expanded hours will improve service by offering better access to the University's inventory of used furniture, office supplies, electronics and computer-related equipment. These items will be on sale, four days a week at discounted prices. Salvage and Surplus Operations is located behind the playing fields and flower gardens on Business Services Road.

## Office merger

The Office of Undergraduate Education has announced the merger of the Office of Undergraduate Information and Communications into the Division of Undergraduate Studies. The merger is a result of

strategic planning initiatives and will assist Undergraduate Education in achieving its broader communication responsibilities.

William M. Farnsworth will continue in his role as head of the Office of Undergraduate Information and Communications and also will assume the title of assistant director of the division of undergraduate studies. Dr. Farnsworth is located in 306 Grange Building, telephone 863-0828.

## Visiting professor

Alexander Livshin, professor of history at Moscow State University, is serving as a visiting professor at Penn State Harrisburg during the fall semester.

Dr. Livshin, a scholar and authority on contemporary Russian reform, is teaching a cultural awareness course titled "Russia at the Crossroads." He also is working with Michael Young, director of Penn State Harrisburg's Survey Research Center, on a comparative research project on Russian and American youth culture.

## Strasburg celebration

University officials helped celebrate the 30th anniversary of Penn State's academic affiliation with the

University of Strasburg at the Institut International d'Etudes Françaises.

Michael Laubscher, director of Education Abroad Programs, Kathryn Grossman, head of the French Department, and W. LaMar Kopp, deputy vice president for international programs, attended the celebrations held Oct. 29 and 30.

## University Park conference

A conference on "Peopling the New World: The Transfer of Ideas, Customs, and Social Institutions from Central Europe to the Middle Colonies in the 17th and 18th Centuries" is being held through Saturday, Oct. 31, in the Penn State Room of the Nittany Lion Inn.

The conference was organized by the German Historical Institute, Washington, D.C., with the support of the Fritz Thyssen Foundation, Cologne, Germany. It is co-sponsored by the University's Max Kade Institute for German-American Research, the Institute for the Arts and Humanistic Studies, Department of German, and Department of History.

John B. Frantz, professor of history, is in charge of local arrangements.

APPOINTMENTS

Judith S. Bond has been appointed chair of the Department of Biological Chemistry in the College of Medicine at The Milton S. Eshelby Medical Center.

She had been professor and head of biochemistry and nutrition at Virginia Polytechnic Institute and affiliate professor at the Medical College of Virginia, Virginia Commonwealth University. She previously held several positions in biochemistry at the Medical College of Virginia.

Dr. Bond holds a Ph.D. and an M.D. in physiology and biochemistry from Rutgers University and a B.A. in science from Bennington College, Bennington, Vermont. Her pioneering research has focused on the action of enzymes, known as proteinases, that degrade proteins inside the cell and at the cell's surface.



Judith S. Bond

Her research experience includes positions as visiting scientist in Adelaide, S.A., Australia, and at Strangeways Research Laboratory in Cambridge, England. She served a postdoctoral fellowship in physiology at Vanderbilt University's College of Medicine.

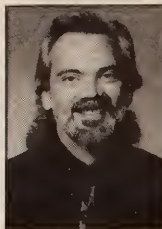
A member of a number of scientific, honorary, and professional societies, Dr. Bond has received the prestigious MERIT (Method to Extend Research in Time) award from the National Institutes of Health for research in intracellular protein catabolism in diabetes mellitus; Virginia's Outstanding Scientist Award, and the Research Career Development Award from the National Institute of Arthritis, Metabolism, and Digestive Diseases.

Lee Byron, assistant professor of arts administration and general manager of the University Resident Theatre Company, has been appointed managing director of Pennsylvania Centre Stage, the University's summer professional regional theater.

Mr. Byron received his bachelor's degree in theater from Penn State in 1981 after which he served as stage manager for several theatrical organizations including the Arizona Theatre Company, the Oregon Shakespeare Festival and the San Francisco Mime

Troupe. He also served as stage manager for the Los Angeles Theater Center and was assistant casting director with Keuben Cannon and Associates, working on numerous productions including the Steven Spielberg feature "Who Framed Roger Rabbit."

Complementing his professional experience, Mr. Byron taught and guest lectured at the University of California-San Diego, the University of Nebraska at Lincoln and Southern Oregon State College. He returned to Penn State in 1988 and served as assistant professor of theater arts, production manager for Pennsylvania Centre Stage and general manager of the University Resident Theatre Company. In May 1992, he received an MBA from Penn State.



Lee Byron

Kennan T. Korbich and Dale E. Punshon have been appointed classification analysts in the Salary Administration and Classification Division, Office of Human Resources.

Mr. Korbich, a graduate of Juniata College with a B.S. in psychology, received an M.A. in industrial/organizational psychology from the University of New Haven.



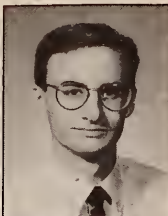
Dale E. Punshon

He has served as a human resources intern at Andrews Glass Company in Vineland, N.J., and as an industrial relations intern at Standard Steel in Lewistown, Pa. Prior to joining the University staff, he was a management assistant at Agway Energy Products, Lewistown.

Ms. Punshon, a 1970 Penn State graduate with a B.S. in English and secondary education, had been purchas-

ing manager at The Morrill Press, a division of Engraph, Inc., Filton, N.Y.

Previously, she was director of human resources and director of purchasing at Screen Art, also a division of Engraph, in Knoxville, Tenn.; customer service manager, Pic-Air Inc., Clark Ridge, Tenn., and customer service manager, Matcor, Inc., Doylestown, Pa.



Kennan T. Korbich

Harry D. Leheh has been appointed director of marketing research and planning in the Undergraduate Admissions Office.

In announcing the appointment, C. Gregory Knight, vice provost and dean for undergraduate education, said that Mr. Leheh will be responsible for the design of a market research and market data driven information and recruitment system for prospective students.

He will develop recommendations and alternatives for a total University admissions marketing plan, and will organize and initiate the total University effort to inform, attract, and interact with all prospective students.

Mr. Leheh has been vice president for marketing, sales and product development of the Western Ohio Health Care Corporation, Dayton, Ohio.

Previously, he served as director of market development, Consumer Division, Blue Cross Blue Shield of Indiana; director of marketing, Group Health Inc., Minneapolis, Minn.; manager, Marketing and Communication departments, Control Data Corporation, also of Minneapolis.

From 1972 to 1978 he was assistant professor of advertising in the School of Journalism at Penn State. He also has been a visiting lecturer in the School of Journalism and Mass Communications at the University of Minnesota.

Mr. Leheh is a graduate of Kansas State University with a B.S. in humanities/communications and holds an M.B.A. in marketing from Northwestern University.

PRIVATE GIVING

Class of 1993

Ritenour Building selected as recipient of senior gift

Penn State's seniors have chosen improved health care on campus as their legacy to the University.

The Class of 1993 has chosen as its class gift the renovation and expansion of facilities in Ritenour Building that will be devoted to providing more modern and efficient urgent care for students.

"I am pleased at the choice," said Jim Ryerson, a senior in labor and industrial relations from Phoenix, Md., who is chair of the Senior Class Gift Committee. "Building an urgent care unit for University Health Services is a project that Penn State seniors can all rally behind."

The gift will help to finance the renovation of the current infirmary and observation area into an urgent care unit with eight to 10 small examination and treatment rooms, similar to an ambulatory care unit in a hospital.

"I am thrilled with this expression of student support for University

*"I am thrilled with this expression of student support ... this gift will enable us to move ahead with a critical project, the creation of a modern, efficient urgent care department for all students."*

Margaret E. Spear  
director of clinical services

Health Services," Margaret E. Spear, director of clinical services, said. "We want to continue to improve the quality of the services we provide to Penn State Students, and we welcome students as partners in this effort. This gift will enable us to move ahead with a critical project, the creation of a

modern, efficient urgent care department for all students."

The class gift has a special poignancy. It is being given in memory of senior classmate Valerie Christein, who died in September as the result of an accident.

All of the items on the ballot this year were selected with the help of a volunteer advisor board composed of

faculty, administrators and students. The committee researched proposed ideas for their feasibility, finally narrowing all possible choices down to three. Sharing the ballot with the urgent care unit project were an endowed undergraduate scholarship and a study room for the proposed expansion of Pattee Library.

The winning project garnered 47 percent of the vote, followed by 33 percent for the study room and 20 percent for the scholarship proposal.

Last year, the Class of 1992 voted to erect a landmark Penn State sign, which will be located near Beaver Stadium. Other recent class gifts have included the two Creamery courtyards, a Pattee Library study terrace, elm trees for the campus mall and a campus gateway at College Avenue and Shortridge Road.



# Focus on Research

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Intercom  
October 29, 1992

## Exercise may increase insulin output for some diabetics

**E**xercise training may have previously unknown benefits for some insulin-dependent diabetics, according to a University researcher.

"Regular exercise should help diabetics who have some remaining insulin-producing capacity to increase insulin output," noted Peter A. Farrell, associate professor of applied physiology in the College of Health and Human Development. "Until now, the main benefit of exercise for such diabetics was thought to be an improvement in the capacity of the skeletal muscle to respond to insulin."

Dr. Farrell simulated various severities of insulin-dependent, or Type I, diabetes in 41 rats by surgically removing up to 90 percent of each rat's pancreas. The pancreas is the gland that secretes insulin and whose malfunction causes diabetes.

Although the remaining pancreatic tissue in the rats continued to produce some insulin, it was far too small an amount to control blood glucose levels and hyperglycemia resulted. Insulin's role in carbohydrate metabolism is to control blood glucose levels.

The rats were then divided into two groups — one of which was put through a 10-week treadmill exercise program in Penn State's Laboratory for Human Performance Research. Rats in the other group were allowed to remain sedentary.

Hyperglycemia was significantly reduced in all the mildly to moderately



Peter A. Farrell in the lab

Photo: Greg Grieco

Severely diabetic rats showed almost no change in blood glucose levels whether or not they exercised.

"We found that the diabetic rats could exercise quite well," Dr. Farrell said. "The major finding was that for all but the most diabetic, rats that exercised secreted more insulin when challenged with glucose than those kept sedentary."

"These results hold possible relevance for the nearly 5 percent of Type I diabetics who have some remaining insulin producing capacity."

Contrary to what happened to rats in this study, exercise decreases insulin secretion in normal, non-diabetic rats and humans, Dr. Farrell explained. This occurs primarily because exercise increases the sensitivity of skeletal muscle and adipose tissue to insulin, so less insulin needs to be produced.

The research, conducted with doctoral students Anne

L. Caston in exercise and sport science, and Donald Rodd in physiology, was supported by the Diabetes Research and Education Foundation and a National Institutes of Health Biomedical Research Support Grant.

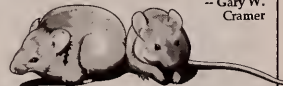
"This study should provide a springboard for research into how exercise could help certain Type I diabetics who have some remaining pancreatic function," Dr. Farrell said. "For now, the mechanisms that allowed the exercised diabetic rats to secrete more insulin are not readily apparent."

-- Gary W. Cramer

*"Regular exercise should help diabetics who have some remaining insulin-producing capacity to increase insulin output."*

Peter A. Farrell  
associate professor of applied physiology

diabetic rats that exercised. Only 53 percent of the sedentary rats with mild to moderate diabetes had reduced hyperglycemia after 10 weeks.



AWARDS

## Ten in Continuing Education receive awards

Ten Penn State Continuing Education faculty and staff members have received Continuing Education awards. They are:

■ **John C. Marshall**, Vice President's Award, for demonstrating the highest standard of achievement in performing his responsibilities as director of field service.

■ **Stephen J. Wright**, assistant director for academic affairs in Independent Learning, Service to the Profession Award, for his significant contributions to Continuing Education, his research and scholarship and his leadership in professional associations.

■ **John Lentox**, associate professor of microbiology at the Penn State Altoona Campus, Continuing Education Recognition Award for Academic Excellence, for his outstanding support of continuing education, his sensitivity to the needs of diverse populations and his leadership.

■ **Paul R. Newlin**, area representative at Penn State Erie, The Behrend College, Emerging Continuing Education Professional Award, for being a newcomer who has performed exceptionally well.

■ **Terry Riley**, assistant director of continuing education at the Penn State York Campus and director of Continuing Education's Lancaster Center, Award for Creativity and Innovation, for his pioneering efforts in developing business for Continuing Education through collaborative partnerships.

■ **Dan W. Kennedy**, institutional research coordinator in the Office of Marketing Research, Continuing Education Staff Award for Staff Support, for his active support of the new market research directions taken by Continuing Education during the past year.

■ **Deborah Zimmerman**, secretary for continuing education in the College of Engineering, Continuing Education Staff Award for Technical Support, for her dedicated service and creative and innovative efforts in support of the college's continuing education programming.

■ **Randall S. Persing**, supervisor of slide/copy laboratories at University Photo/Graphics, Continuing Education Staff Award for Technical Support, for his professionalism and excellence in the performance of his responsibilities.

■ **Jane A. Muldoon**, adult/vocational counselor at the Penn State Shenango Campus, Continuing Education Staff Award for Student Support, for playing a crucial role in the recruitment, retention and counseling of the adult student population at the campus.

■ **Ina K. Kubin**, assistant director and acting director of continuing education at the Penn State Wilkes-Barre Campus, Award for Outstanding Marketing, Outreach and/or Customer Service, for her efforts to extend the resources of the University to the public.

## \$500,000 Fellowship in Science and Engineering

# Assistant professor receives fellowship

**Diane M. Henderson**, assistant professor of mathematics, has received a five-year, \$500,000 Fellowship in Science and Engineering from the David and Lucile Packard Foundation. Established in 1988, the fellowship is one of twenty nationwide awarded this year.

The fellowship provides unrestricted funds to young faculty in the natural sciences and engineering who have demonstrated unusual creative ability in research. Dr. Henderson's research involves the behavior of waves in fluids. This work has a variety of applications, from remote satellite sensing of the sea surface to understanding how contaminants such as oil affect the behavior of waves.

In nominating her for the award, **Jerry L. Bona**, professor and head of the Department of Mathematics, said "Dr. Henderson is an outstanding scientist whose research is as incisive as I have seen from a young scientist interested in fluid mechanics in more than a decade.

"Her experimental technique is phenomenal and her insight into the properties of fluids belies her age. Especially unusual is her



Diane M. Henderson

grasp of the relationship between theoretical and practical issues and laboratory experiments."

Dr. Henderson combines a well-focused research agenda with a commitment to her role as an educator. During her first year of teaching, students in the University Scholars program included her in their "Incomplete List of Excellent Honors Instructors." She also has served as a volunteer mentor at Penn State for the MS WHIZ program, a project for junior-high-school girls sponsored by the National Science

Foundation designed to encourage science and engineering careers.

Dr. Henderson earned her bachelor's degree in engineering sciences in 1984 and her master's degree in 1986, both at the University of Florida. She completed her doctoral degree in physical oceanography at Scripps Institution of Oceanography, University of California at San Diego, in 1989. She held a research position at the University of Florida before joining the Penn State faculty in 1991.

She was awarded the Achievement Reward for College Scientists Fellowship in the Scripps Institution of Oceanography in 1989 and the National Science Foundation Young Investigator Award in 1992. She is a member of the American Geophysical Union, the American Physical Society, and Tau Beta Pi.

Dr. Henderson is the author or coauthor of ten research papers published in technical journals. She has served as a journal referee for the *Journal of Fluid Mechanics*, *Physics of Fluids A*, *SIAM Journal on Applied Mathematics*, and *Journal of the American Institute of Chemical Engineering*.

## Financial officer honored with 1992 award

**Jon M. Nirnberger**, financial officer/human resources officer for the Corporate Controller's Office, has received the 1992 Charles R. Chambers Award.

The award was established in 1979 by the family and friends of the late Mr. Chambers who was director of accounting at the University from 1967 to 1977. It honors employees of the Controller's Office who "exhibit a conscientious and dedicated attitude toward their professional responsibilities above that normally expected or required."

**The award honors employees who exhibit a conscientious and dedicated attitude ... above that normally expected and required.**

Mr. Nirnberger graduated from Penn State in 1970 and began his employment with the University as an administrative assistant the same year. He has held various positions with the University, including procedures specialist in Systems and Procedures and contracts and proposal specialist in the Sponsored Programs Office before being named to his current position in 1988.



Jon M. Nirnberger

## INSIDE

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October 29, 1992  
Vol. 22, No. 11

## PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Garman, Calendar

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## University enrollment steady; minority numbers on the rise

Enrollment at the University this fall remained virtually stable overall but there were important changes in specific categories of students — including a tenth straight year gain in minority students.

There are 70,576 students enrolled at Penn State in 1992 compared with 70,597 in 1991.

In recent years the University has developed a plan to reduce the number of undergraduate students at University Park; increase their presence at other locations, and also increase the number of graduate students. All three objectives were met, according to final enrollment data.

There are 538 fewer students enrolled at University Park this fall, or 38,373. That occurred because of a reduction of 665 undergraduate students here along with an increase of 127 graduate students. Overall, there is an increase of 142 graduate students studying at all Penn State locations, or a total of 10,441 graduate students.

Some of the Penn State locations with the biggest gains in students this year include Penn State Harrisburg, 212 students; Great Valley, 123 students; and Penn State DuBois, 107 students.

The Commonwealth Campuses experienced an overall gain of 193 students. The other increase of note is at the Hershey Medical Center, where Penn State is educating 430 medical students this year. That is an increase of more than 80 additional medical students in the past four years.

Enrollment of minority students reached a new high for Penn State, with 5,359 students. That represents an increase of 286 minority students this year. There are 2,266 African American students; 2,199 Asian or Pacific Islander students; 987 Hispanic students; and 107 Native American students.

In the past decade Penn State has doubled the

See "Enrollments" on Page 3

## Nominations will be sought by president for faculty/staff achievement awards

President Thomas will appoint a general committee chaired by Billie S. Willis, assistant vice president for human resources, to solicit nominations for the Faculty/Staff Achievement Awards—the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, the Staff Excellence Award, the Barash Award for Human Service, and the Penn State Equal Opportunity Award.

Five subcommittees will screen nominations and develop recommendations for the respective awards.

Nominations for the 1993 awards are encouraged from

University and local community organizations and individuals. Nominators should contact the Office of Human Resources at 865-1412 to request a copy of a standardized format for submitting nominations. Nominations should be sent to Billie S. Willis, Box 6 Rider Building, no later than Wednesday, Dec. 23. Supporting information which accompanies nominations should be as brief as possible.

The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a

\$500 stipend and a certificate, is presented to the full-time member of the faculty or staff or the retiree who has contributed most to the "economic, physical, mental, or social welfare of the faculty" of the University. The contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties.

The John E. Wilkinson Award for Administrative Excellence was established in 1970 by former dean of Mr. Wilkinson, a lifelong Centre County businessman. The

See "Achievement" on Page 3



**Lift off!** The space shuttle Columbia lifts off from Kennedy Space Center in Florida carrying a joint experiment between NASA, Penn State's Center for Cell Research and Merck & Co., inc. of West Chester, Pa. The launch took place Oct. 22, and several Penn Staters were on hand to view it. For a closer look at the launch, see Page 9. Photo: Andrea Elyse Messer

### Cycling - the environmentally sound way to travel

## Professor offers scholarships to those who forego autos

A University professor is challenging student commuters to save the environment and leave their cars at home.

Thomas G. Winter, professor of physics at the Penn State Wilkes-Barre Campus, is personally funding \$1,500 Alternative Transportation scholarships to two students for traveling to class on the Wilkes-Barre Campus by some means other than by automobile.

"These scholarships were intended to encourage environmental concern and economic frugality," Dr. Winter said. "The scholarships reward students who would forego the use of the single-occupancy automobile for at least 80 percent of commutes to our campus each year."

For many years, Dr. Winter used alternate transportation, partly for environmental reasons, but also

**"The single-occupancy automobile is a terrible waste of energy."**

Thomas G. Winter  
professor of physics

to get exercise and to save money.

"The single-occupancy automobile is a terrible waste of energy," he said. "The average motorist

spends \$1,700 annually commuting by automobile.

"A student receiving one of these scholarships would effectively gain about \$3,200 (\$1,500 scholarship plus \$1,700 saved) for the year."

A list of modes of transportation, broken into units of energy intensity in calories per student-mile, assists in the evaluation of a student's project proposal. At the top of the list is the bicycle, expending only 35 calories per student-mile.

"Roller-blading, van-pooling and other innovative forms of transportation, while not on the list, also are acceptable," Dr. Winter noted.

See "Hoofing it" on Page 3  
UNIVERSITY ARCHIVES/PENN STATE ROOM

## New faculty/staff group for sexual orientation equity is forming

A new faculty and staff group for lesbian, gay, bisexuals and allies who share a commitment to equity, will conduct its first meeting Wednesday, Nov. 18, in 110 Henderson Building at University Park.

The new group, Lesbian, Gay, Bisexual Faculty/Staff and Allies, was formed primarily for the purpose of improving the climate for gay, lesbian and bisexual persons employed at Penn State, and to serve as a networking/support group.

The first meeting will feature a discussion and evaluation of the progress made since the addition of words "sexual orientation" to Penn State's non-discrimination clause in 1991. The group also will consider new initiatives for the improvement of the University environment.

## Urban Bush Women to take up residency

Urban Bush Women will conduct a three-day residency to complement their performance at 8 p.m. Saturday, Nov. 14, in Eisenhower Auditorium at University Park. The residency is part of a series of Enrichment Events sponsored by the Center for the Performing Arts.

Jawole Wilia Jo Zollar, artistic director and choreographer for Urban Bush Women, will begin the residency with a lecture at 5 p.m. Wednesday, Nov. 11, in the auditorium of the Paul Robeson Cultural Center. She will discuss the company's creative process and issues relating to the responsibilities of artists of color in a multi-cultural society. The lecture will be followed by a "community sing" that will introduce the audience to the nature of Saturday's performance.

Ms. Zollar also will teach a two-hour master class at 11:15 a.m. Thursday, Nov. 12, in Room 108 White Building.

At noon Friday, Nov. 13, in the auditorium of the Robeson Center, the dance troupe will lecture and demonstrate its creative process as well as the use of materials from African-American culture and folklore in performance. The session will be followed by a question-and-answer period.

Urban Bush Women explores the folklore and spiritual traditions of Africa through dance and music to illuminate the trials and joys of women in contemporary society. The group will premiere "Womb Wars," a work commissioned by the Center for the Performing Arts, during its Saturday, Nov. 14, performance. For ticket information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

All Enrichment Events are free to the public.

## DIVERSITY OPPORTUNITIES CALENDAR

**Tuesday, Nov. 10**

Center for Women Students, noon to 1 p.m., 120 Bauscke. A Women's Awareness Week brown bag lunch discussion on feminism, by Patty Johnstone.

Panhellenic Council, 8 p.m., Schwab Auditorium. Women's Awareness Week keynote address by Sara Weddington, attorney and author of new book, *A Question of Choice*.

**Wednesday, Nov. 11**

Center for the Performing Arts, 5 p.m., Paul Robeson Cultural Center Auditorium. Lecture on the Urban Bush Women performing company's creative process and about issues relating to artists of color, by Willa Jo

Zollar, choreographer.

**Thursday, Nov. 12 through**

**Saturday, Nov. 14**  
College of Education/Continuing Education, all-day Keller Conference Center. The 18th Annual Research on Women in Education Conference will have theme titled, "Multicultural Perspectives: Education for the Future Stories Our Lives Tell." For more information, contact Jerri Milson at 865-5141.

**Thursday, Nov. 12**

Center for the Performing Arts, 11:15 a.m. to 1:15 p.m., 108 White Building. Dance class by Willa Jo Zollar, Urban Bush Women performance group artistic director and choreographer.

Affirmative Action Office, teleconference, 1:30 - 3:30 p.m., 402-03 Campus.  
"Confronting Sexual Harassment on Campus."

American Association of University Women, 7:30 p.m., State College Women's Club, 812 S. Allen Street. Discussion topic titled, "The Homeless: How State College Offers a Helping Hand."

**Friday, Nov. 13**

Center for the Performing Arts, noon, Paul Robeson Cultural Center. Lecture and dance demonstration by the Urban Bush Women.

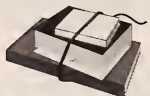
**Saturday, Nov. 14**

Office of Minority Faculty

Development, 9 a.m. to noon, 114K Kern Graduate Building. "The Publishing Process" is the third in a series of faculty development workshops. Harold Gresham, professor of education and head of the Department of Counselor Education and Counseling Psychology, will be the speaker. To make reservations, contact Leah Wilizig at 863-1663. All Junior faculty are welcome to participate.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. African dance performance by the Urban Bush Women. For ticket information, call 863-0255.

## BOOK



## SHELF

Ray T. Fortunato, assistant vice president for personnel administration emeritus, is co-author with Ronald A. Bouchard, of the University of Virginia, and H. Clint Davidson, of Vanderbilt University, of *Cost Effective Strategies for Managing the Human Resources Function*.

The monograph, published by the College and University Personnel Association, provides an overview of ideas on how to examine those human resources functions mandated for higher education; staffing levels, and the quantity and quality of work performed in human resources functions.

It also provides fact-based data to

strategic planners and top administrators to assist them in making knowledgeable decisions about the distribution of their institutions' administrative resources.

Barry Kanpol, assistant professor of secondary foundations at Penn State Harrisburg, is the author of *Towards a Theory and Practice of Teacher Cultural Politics: Continuing the Postmodern Debate* (Norwood, New Jersey: Ablex).

The book looks at how teachers at various school sites in the country (the Mid-West and in Southern California) and in diverse working class and ethnic populations in elementary, middle and high schools work within a "democratic imaginary" in order to create conditions for themselves and their students that are both just and fair and egalitarian and empowering.

Three case studies at separate school sites focus on how teachers, both similarly and differently, challenge oppressive social values, such as racial and class stereotypes, gender subordination as well as school bureaucratic efficiency. These challenges to school structural relationships, such as authority and mandat-

ed curricula, and visions to reconstruct social relations, become teacher cultural politics, both in and out of the class, with students, between themselves and administrators.

Dr Kanpol suggests that for schools to be the sites of progressive reconstruction, harsh school bureaucratization will have to give way to increased teacher and student decision making, and a far greater understanding of diverse student lives and related histories. Only then, he argues, can a "diverse" curriculum be thought of as possible.

Wilson J. Moses, professor of African-American history, is the editor of *Alexander Crummell, Destiny and Race: Selected Writings, 1840-1898*, published by the University of Massachusetts Press.

A major nineteenth-century reformer and intellectual, Alexander Crummell (1819-1898) was the first black American to receive a degree from Cambridge University. Upon graduation, he sailed to Liberia, where from 1853 to 1872 he worked as a farmer, educator, small business operator, and Episcopal missionary. Returning to America in 1873, he established St. Luke's Episcopal

Church in Washington, D.C., serving as its pastor until 1894.

Mr. Crummell remained active in the black community throughout his later years and in 1897 founded the American Negro Academy, which he intended as a challenge to the power of Booker T. Washington's accommodationist philosophy.

Throughout his life, he was a prolific, sometimes controversial, and often acerbic writer. His pioneering work on black nationalism, black self-determination, and Pan-Africanism influenced many African-American leaders of his day.

Despite his importance to America and African-American history, Mr. Crummell is little known today. *Destiny and Race* is intended to restore his voice and to prompt a reevaluation of his writings.

Michael Naydan, associate professor and head of the Department of Slavic and East European Languages, is editor, translator and annotator of Russian poet Marina Tsvetaeva's *After Russia*.

It was published by Ardis Publishers in the Sources and Translation Series of the Harriman Institute of Columbia University.

## Hoofing it — Continued from Page 1

To be eligible for an award, the student must live at least one mile from the Wilkes-Barre Campus and commute by one or more of the modes of transportation on the list. Other award considerations include demonstration of economic need, environmentally sound lifestyle and degree of energy efficiency attained by mode of transportation.

The Admissions Office at Penn State Wilkes-Barre administered the award. If funds are available next year, the award will be offered again.

Scholarships were awarded to Adam Noderer of Dallas, a non-degree student who is studying hotel, restaurant and recreation management, and James Young of Hollidaysburg, a surveying technology major. Both sophomores intend to bicycle their way through college this year.

"These days, a student can save a lot of money by avoiding buying a car," Dr. Winter said. "Just having a place to park the car is such a terrible waste of space."



Thomas G. Winter shows off his mode of transportation.

## Achievement — Continued from Page 1

award, which carries a stipend of \$500, is made annually to a member of the staff of the University whose performance methods and achievements exemplify administrative excellence.

A new award has been established for Staff Excellence. The award, which carries a stipend of \$500, will be made annually beginning in 1993, to a member of the staff of the University who has demonstrated and practiced the philosophy of continuous quality improvement, team spirit, managerial excellence, and provided leadership in establishing a quality service orientation in the performance of assigned duties. To be eligible for the award, full-time staff must have at least five years of University service.

The Barash Award for Human Service was created in 1975 by the family of the late Sy Barash. It is an annual award to a full-time member of the faculty, staff, or student body of the University at University Park who has contributed most, apart from regular duties, to human causes, public service activities, and organizations, or the welfare of fellow humans. These human service activities must have been performed in University Park, the Borough of State College, College, Patton, Harris, or Ferguson Townships. The award carries a stipend of \$1,000.

The Equal Opportunity Award is designed to recognize a University faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding.

The award, consisting of a \$1,500 stipend and certificate, is given in recognition of meeting one or more of the following criteria: demonstrated commitment to the spirit of equal opportunity through affirmative action; demonstrated leadership in the elimination of discrimination through encouragement of understanding between persons of different races, sexes, age groups, ethnicity, or religious heritage; demonstrated commitment to meeting the special needs of students, faculty, or staff who are members of traditionally underrepresented groups.

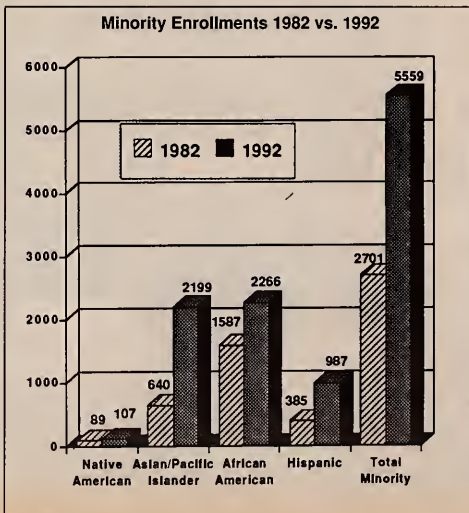
To be eligible for the award, full-time University faculty and staff must have at least two or more years of active service.

## Enrollment

### Continued from Page 1

number of minority students it enrolls. Minority enrollment this fall is 7.9 percent of the overall student population.

Among minority groups, Hispanics showed the largest percentage change in first time freshmen enrollments with an increase of 18 percent over 1991 figures.



## Funding competition announced for undergraduate research plans

The Office for Undergraduate Education has announced a competition for funding for college or campus undergraduate research participation programs. The purpose of the funds is to establish or improve programs for undergraduate research participation. Support will be awarded in amounts between \$2,500 and \$10,000. The requirements for the projects are:

- undergraduate students join ongoing faculty research activities (the program is not intended to initiate new faculty research nor to support independent research activities of students);

- academic credit be awarded to student participants;
- students write a formal paper about research results;
- formal evaluation of student work and the program take place and;
- faculty participants attend a workshop on structuring and improving undergraduate research.

Awarded funds may be used for travel to funding agencies to seek external support; an initial program of small grants to student/faculty teams; costs of an undergraduate research symposium or fair; or other expenditures that would enhance the climate for, and numbers of, students participating in undergraduate research. Funding is not available for faculty salary or stipends.

Among the selection criteria are the number of students to be involved; availability of matching funds from department, college, campus, or external sources; demonstrated benefits to students; feasibility of the project becoming self-sustaining in future years. A college or campus is limited to one program submission which may involve a single discipline or multiple areas.

The proposals should be sent to James Rambeau, associate dean, Office of Undergraduate Education, 207 Old Main, via the Campus DAA or College ACUE Dean, no later than Monday, Nov. 16. The Committee for Undergraduate Research will serve as a screening committee to recommend projects for the funding.

# Recurring questions

## Answers to queries about the work of the University Future Committee

*Editor's Note: During September, the University Future Committee held 36 open meetings with faculty, staff and students at all Penn State campuses. In October, Committee members met with a number of specific groups, including student government leaders, Evan Pugh professors, and faculty who have received distinction as among our best teachers.*

*In the coming weeks additional meetings have been scheduled with department heads and student leaders. Throughout the meetings that have taken place, there have been a number of recurring questions voiced. Intercom editors felt it might be helpful to readers if we asked John A. Brighton, chair of the Committee and executive vice president and provost, to review some of the most often asked questions.*

**INTERCOM:** Why did the President appoint the University Future Committee?

**BRIGHTON:** The President appointed the University Future Committee to help him develop a short- and long-term plan for Penn State to use its limited resources most effectively during what we all hope to be a temporary period of declining fiscal resources. In appointing the Committee, the President said that preserving and improving Penn State's academic quality would be the primary goal of the Committee's work. He also said that across-the-board budget reductions would be avoided in favor of targeted reductions in selected areas. Finally, he noted that Penn State is not experiencing budget cuts as severe or as rapid as many peer institutions. All of these factors provide us the opportunity to build an even stronger Penn State and in so doing to assume an ever greater position of national leadership.

**INTERCOM:** What is the charge to the University Future Committee?

**BRIGHTON:** In his appointment letter to the Committee, President Thomas provided the following charge:

- To encourage examination and discussion of ways that internal resources can be reallocated to support programs or activities of special need and opportunity;
- To identify selective budget reductions Universitywide in a manner that builds on strengths and, again, places academic quality as the first priority;
- To work with the principle that selective budget reductions must not only meet current needs, but also

**Although the Committee is gathering ideas and proposals through multiple means ... unit strategic plan updates remain the primary source of information in the Committee's work.**

should provide resources for enhancement of programs of highest quality.

- To establish change through a collegial, collaborative process at all levels.

**INTERCOM:** How do the activities of the University Future Committee relate to the University's strategic planning process?

**BRIGHTON:** They are very closely related by design.

Although the University Future Committee is gathering ideas and proposals through multiple means, including open hearings and correspondence, unit strategic plan updates remain the primary source of information in the Committee's work. These updates, building upon the strategic plans of 1991-92, will provide the latest assessments of the colleges, the campuses, and support units. The updates also will present unit plans for dealing with proposed resource reallocations. In fact, we see the University Future Committee's work as one more step in an evolving strategic planning process that was established in 1984.

**INTERCOM:** How will Penn State be different as a result of these efforts?



Concerned employees listen during one of the final meetings held by members of the University Future Committee. The more than three dozen meetings were held to gain input and insight into the planning process. Photo: Dick Ackley

**BRIGHTON:** As I indicated before, we believe Penn State will be an even stronger university. The important things will remain the same: we will continue our land-grant mission of teaching, research, and service. How we approach these activities is likely to change over time. Change, primarily viewed as growth, has typically been realized through the establishment of new programs and activities, new positions, and new facilities and equipment, all supported by new resources. This view of change by accretion will be altered in the decade of the '90s. The outcome of these efforts—of the University Future Committee, of the colleges, campuses, and administrative support units, and of every staff member and student of Penn State—will be a stronger, albeit refocused, and leaner university.

**INTERCOM:** What criteria is the Committee using to examine program quality, need, and opportunity? Will the Committee use the same criteria for academic as support units?

**BRIGHTON:** As a means to examine program quality, need, and opportunity, the Committee has established a number of guiding principles. These place emphasis on programs and activities that:

- will be most effective in meeting Penn State's overarching goals in terms of quality and national reputation;
- fulfill the general need in meeting the University's mission of teaching, research and public service; and
- maintain infrastructure and essential services.

Beyond these general principles, the Committee believes that no one set of criteria is appropriate to every academic or support unit. The Committee is relying on the guidance of the individual units to supply in their strategic plan updates needed assessment data and information on evaluating the programs, services, and activities of their respective units.

**INTERCOM:** Is this effort limited to the academic units and programs of the University?

**BRIGHTON:** No. Since its inception, Penn State's strategic planning process has been Universitywide — all locations, academic and administrative support units. This practice has been retained in the current effort. The objective is to engage all units to reexamine their current activities and determine which of these activities and programs should be retained, which should be modified or refocused, and which should be discontinued.

**INTERCOM:** Some colleges and administrative units have already collapsed positions or initiated other changes. Are these decisions part of an already established plan put forth by the University Future Committee?

**...the Committee believes that no one set of criteria is appropriate to every academic or support unit.**

**BRIGHTON:** No. Units are having to manage within the limits and realities of resources available to them at the present time. Many decisions have been made by the units themselves in response to three consecutive years of state appropriation cuts. At the same time, we expect some routine administrative actions consistent with the reviews taking place at the unit level. The University Future Committee is still at the information gathering stage of its activities. No plan exists nor have any broad decisions or recommendations been issued by the Committee.

**INTERCOM:** What is the Committee's schedule through the spring? When will it present its report to President Thomas?

**BRIGHTON:** Between Oct. 14 and Jan. 14 the Committee will be holding hearings for the colleges and other budget units to review and discuss their strategic plan updates and the proposals for dealing with the reallocation and enhancement guidelines issued last spring. Whenever possible, the Committee will provide timely feedback to units so that they may proceed with

**We believe Penn State will be an even stronger university.**

plans that are unit specific. During January and February the Committee will reflect and study more thoroughly the collective plans of all units, and consider in depth cross-functional proposals dealing with Universitywide or multiple unit issues. Recommendations will be made to the President throughout this period on an on-going basis, with some coming earlier in the process and others coming later. A report will be presented to Dr. Thomas in mid- to late spring.

**INTERCOM:** Will members of the University community be involved in the consultation process?

**BRIGHTON:** Yes. A great deal of consultation has already occurred in the development of the unit strategic plans. In some instances where proposals may come forward to consider the restructuring of academic units, changes in degree requirements, or proposed new programs, obviously broad deliberations will be required through appropriate faculty governance mechanisms involving the University Faculty Senate. It also may be necessary to establish working groups or task forces to examine a number of issues which affect more

# Answers

## Continued from Page 4

than one unit. In those cases, faculty, staff and students who are most affected will be involved in the consultation process. We're very much aware that this process must be done in a collaborative and consultative manner, a point we tried to make very clear in the guiding principles established by the Future Committee at its initial stages.

**INTERCOM:** Will the objective of focusing the activities of the University on fewer programs substantially alter Penn State's land-grant mission?

**BRIGHTON:** No. Teaching, research, and service will continue to be at the core of all Penn State does. Throughout its history, Penn State has initiated new programs and services in response to changing needs. It also has discontinued other programs or services that were no longer needed or were being provided by other agencies. Within the context of its land-grant mission, Penn State must determine which programs and services it can best deliver within the constraints of available resources.

**INTERCOM:** The strategic plan updates will be unit specific. Is the Committee considering Universitywide issues?

**BRIGHTON:** Most certainly. The main contribution of the University Future Committee will be to look at those things which affect the University as a whole that do not come from the individual unit plans. In my view, this will be the major role of the Committee in the planning process.

**INTERCOM:** What types of issues are being considered?

**BRIGHTON:** There are a number of academic and non-academic issues being examined either within units or by groups of faculty and staff representing the particular programs and services. Examples include:

- The cost/benefit of managing University services, such as fleet operations, copying and printing, and auxiliary enterprises;



John Brighton listens intently as employees make suggestions.

Photo: Dick Ackley

- The computer science program in the Eberly College of Science and the computer engineering program in the College of Engineering;
- The general education exercise and sport science activities requirement;
- The number and cost of internal publications;
- Greater utilization of less than 12-month or 40-hour week staff appointments where appropriate;
- The role of the Commonwealth Campuses and the generic "feeder" mission;
- The role of telecommunications in the University's multi-campus environment; and
- The repositioning of audio visual services within the University.

**INTERCOM:** Will the recommendations of the University Future Committee result in faculty and staff layoffs?

**BRIGHTON:** The objective of this effort is to refocus the energies and resources of the University upon those programs and services that are most crucial to its continuing development. We anticipate that it may be necessary to change some programs and services, and in so doing some positions as we currently know them may be eliminated. In this process, it will be the fullest intention of the Committee and the President to accommodate necessary changes through attrition, retirement, and/or reassignment

***We do not regard lightly our obligations for and commitment to undergraduate education. Our Commonwealth Campuses, in particular, provide undergraduate experiences and opportunities unmatched by any other university.***

of present vacancies. Again, this is one of the guiding principles of the process.

**INTERCOM:** How may the Committee's recommendations affect the University's enrollments?

**BRIGHTON:** Because of Penn State's heavy dependence upon tuition for revenue, we do not anticipate any planned overall enrollment decreases. The strategic planning activities within the Commonwealth Educational System focus on issues of increasing enrollments at certain campuses and several Universitywide efforts are under way examining issues of recruitment and retention. We also continue to have a strong interest in reducing somewhat undergraduate enrollments at University Park and in bolstering the University's graduate enrollments.

**INTERCOM:** Is the Committee concerned about undergraduate education, particularly if the University's reputation is based upon its research programs?

**BRIGHTON:** Yes. Undergraduate education is an essential component of Penn State's mission of teaching, research, and service. The University has long been a leader in undergraduate education. In fact, as I have said many times, when I came here in 1965, Penn State was primarily an undergraduate institution. We are building on our strong record to ensure our continued leadership in the area of undergraduate education. We are working in concert with this with some of the best public universities in America. We also are working internally on this. As President Thomas noted in his remarks to the University community in September, we have been pleased to see the strong response of the colleges, the University Faculty Senate, and the support units to concerns about undergraduate education. It is true that a university's national and international reputation is based on research and Penn State has excelled in this area in recent years. But the people who do that research build on strong experiences at the undergraduate level. We take very seriously our obligations for and commitment to undergraduate education.

**INTERCOM:** Can the capital funds identified for new construction be redirected to other University needs?

**BRIGHTON:** No. In Pennsylvania capital dollars and general operating dollars are budgeted separately. They cannot be transferred or intermingled. Capital funding has an interesting history in this state. We have had governors in the past who approved zero funding for capital projects at Penn State. The current governor, Governor Casey, views capital projects from two perspectives: a means to strengthen public higher education in Pennsylvania and a means to provide jobs in a difficult economy. The \$68 million he released recently for capital projects Universitywide creates for us the largest building program in Penn State's history. We have competed well for the dollars available in the state capital budget and are well on the way to solving the space problem that confronted President Thomas when he arrived just two years ago. I should add, for further clarification, that the on-going development of the research park and the convocation and events center are not being funded by general operating dollars. The research park development is essentially self-funded. Revenues generated by the activity there will pay for the capital costs and eventually bring new resources to the University and its academic programs.

***Many important issues will be discussed over the coming months ... in some cases, difficult decisions will be required.***

**INTERCOM:** How would you assess the planning process at this stage?

**BRIGHTON:** I am very pleased with the development of the process to this point. The University is setting a new direction with respect to planning. The effort at this early stage has been very intense for the University Future Committee and for the colleges, campuses and support units. Many important issues will be discussed over the coming months as the Committee continues its work. In some cases, difficult decisions will be required. As a result of this collaborative process, Penn State should be an even better place to study and work.

### Singing Lions

The Singing Lions will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will feature selections from the Big Band era and a Beatles medley.

The Singing Lions is a show choir of 21 singers under the direction of Peter Kiefer. The group also includes two accompanists, a four-member technical crew and two choreographers.

### Film lecture

Deidre Pribram, assistant professor of communications, will discuss a working cut of her independent film, "The Family Business," at 6:30 p.m. Monday, Nov. 9, in Room 230 Chambers Building at University Park.

She will discuss the film and its central themes. The film depicts two daughters faced with their mother's illness and unexplained withdrawals from her bank account. The sisters enter a family struggle that forces them to confront themselves and family relationships.

The lecture is part of the "Art Education Colloquium Series," which is free to the public.



**The Norwegian technique of** Romsaling by Roger Zellner is on display in the HUB Art Alley at University Park until Nov. 29. Romsaling is a traditional technique of brustpainting floral motifs on wood-burned objects.

### Center Stage board

Pennsylvania Centre Stage, Penn State's summer professional theater, has named nine new members to its board of directors.

The new members are: Michael Arbitman, chief of radiology at Mercy Hospital, Altoona and Noman Hospital, Roaring Spring; Joan Atkinson, regional vice president of United manager at Federal Bank; Millie Jeffries, office manager at Polestar Plastics; Christine Caffrey Johnson; Fran Levin; Ted McDowell, president, Commonwealth Bank; Ginny Pierson; Maryann Sheeler, and Joe Trimarchi, owner, Towne Gentlemen.

The board of directors is a volunteer organization responsible for fund development for Pennsylvania Centre Stage.

### Information 1992

Pennsylvania Dance Theatre's annual interactive concert, "Information 1992," will be held at 3 p.m. Sunday, Nov. 8, at Schwab Auditorium at University Park.

Information presents the company's latest works in a hybrid format that captures the best of performance with a unique narrative perspective. Narrated by PDT artistic director Ann an Kuen, the program takes a close look at the creative process and compares it to the choreographic intent of various works.

Among the pieces to be featured is a new work commissioned for PDT by New York choreographer Colin Connor. The as-yet-untilled dance is set to music by Henry Purcell's 1683 score, "Welcome to All the Pleasures," one of three odes to St. Cecilia.

Guest choreographer Erica Kaufman, Penn State dance faculty member, will discuss her work "Triptych Sonata," which she created with PDT last spring to a score by her father, composer Fredrick Kaufman. The program also features an unusual musical duet, "Feet of Clay," by Doug Varone, and a popular, high-energy performance of "People Will Say We're in Love," by Kevin Magee.

Admission to Information 1992 is \$10 general admission, \$5 for students. Tickets are available at Schwab Auditorium box office, and at Eisenhower box office. Call 863-0255 for reservations.

### Faculty exhibit

The annual School of Visual Arts faculty exhibition will open Monday, Nov. 9, and continue through Thursday, Dec. 17, in Zoller Gallery in the Visual Arts Building at University Park.

The exhibition will feature works by the School of Visual Arts faculty members from University Park and the Commonwealth Campuses. The exhibition will feature ceramics, sculpture,

graphic design, painting, drawing, metals, photography, printmaking and paper-making.

A reception for the artists will be held from 7 to 9 p.m. Monday, Nov. 9, in Zoller Gallery.

Gallery hours are 9 a.m. to 5 p.m., Monday through Friday; 11 a.m. to 4:30 p.m., Saturday; and noon to 4 p.m., Sunday. Zoller Gallery is free to the public.

### Dutch painting lecture

Roland E. Fleischer, professor of art history, will present a lecture, "Connoisseurship Problems in Dutch Painting: Some 17th-Century 'Who-Does-It' at 8 p.m. Tuesday, Nov. 10, in Room 112 Walker Building at University Park. The lecture is sixth in the series, "Scholarly Speculations: Recent Research by the Faculty of the Department of Art History," and is sponsored by the Department of Art History.

Dr. Fleischer earned his bachelor's degree from Western Maryland College and his master's and doctoral degrees from Johns Hopkins University. He also studied at the University of Amsterdam as a Fulbright Scholar. Prior to coming to Penn State in 1974, he was an instructor at Johns Hopkins University and an associate professor at the University of Miami and George Washington University. He teaches and publishes in two fields: Dutch 17th-century painting and colonial American painting.

Dr. Fleischer has been a Fellow of the Institute for the Arts and Humanistic Studies since 1989 and was the 1990 recipient of the Faculty Scholar Medal for Arts and Humanities. In addition to his numerous articles and book reviews, he is co-author, with Susan Munshower, of *The Age of Rembrandt, Papers in Art History from The Pennsylvania State University*, vol. III.

The lecture is free to the public.

### Modern Jazz Quartet

The Modern Jazz Quartet will perform at 8 p.m. Wednesday, Nov. 11, in Eisenhower Auditorium at University Park.

Pianist John Lewis, vibraphonist Milt Jackson, bassist Percy Heath and drummer Mickey Roker, known internationally for 47 albums of distinctive jazz music, reveal a unique musical vision. They combine jazz, blues, and elements of European musical tradition to create a distinctive and appealing sound.

Dan Yoder, associate professor of music, will lead an Artistic Viewpoint discussion about the quartet at 7 p.m. Wednesday, Nov. 11, in the Eisenhower Auditorium Greenroom.

For ticket information, contact the Eisenhower Auditorium Ticket Center, at (814) 863-0255.



**Clair Bloom** will give a reading of Virginia Woolf's *Mrs. Dalloway* at 8 p.m. Thursday, Nov. 5, in Schwab Auditorium. The program is open to the public.

### Odyssey on WPSU

John Balaban, former professor of English at Penn State and now director of the writing programs at the University of Miami, is the guest on the next two episodes of *Odyssey Through Literature* on WPSU. On "The Wise Man Shuts His Mouth," which airs Nov. 11, Leonard Rubinstein discusses Professor Balaban's recent memoir, *Remembering Heaven's Face: A Moral Witness in Vietnam*.

His memoir combines observations of the war with a deep and evocative portrayal of the Vietnamese culture that the war tried to but could not successfully erase. "I wanted," he says "not merely to horrify."

*Odyssey Through Literature* is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WFSU, 91.1 FM.

### Mini-concert

The Penn State Vienna Orchestra will present its first "mini-concert" of the season at 8 p.m. Thursday, Nov. 12, in the School of Music Recital Hall at University Park.

The 45-minute concert is in preparation for the group's tour to Vienna, Prague, Stuttgart and Munich in the spring of 1993.

The program will include Symphony No. 2 by Franz Schubert and the first movement of Czech composer Joseph Suk's "Serenade for Strings."

The Castalia Trio, which will join the orchestra on its European tour, will perform the Beethoven Triple Concerto. The trio features Kim Cook, cello; Marylene Dosse, piano, and James Lyon, violin. All are members of the School of Music faculty.

Douglas Meyer, associate prof



# University Park Calendar

## Nov. 5 — Nov. 15

### SPECIAL EVENTS

**Thursday, Nov. 5**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel.  
The Singing Lions.  
Marker Lectures, 4 p.m., 110 Wartik. Joseph H. Taylor on "The Galactic Population of Pulsars."  
Claire Bloom as Virginia Woolf's Mrs. Dalloway, 8 p.m. Schwab Auditorium.  
School of Music, 8 p.m., Recital Hall. Martin Bresnick's "Just Time" and "Tent of Miracles" performed by the Pennsylvania Quintet and saxophonist Dan Yoder.  
Jewish Studies, 8 p.m., 112 Walker.  
Elise Finkelstein on "Megiddo."  
Bracken Lecture, 8 p.m., 102 Classroom Bldg. Michael Vergason on "Recent Work."  
**Friday, Nov. 6**  
School of Music, 2:30 p.m., Recital Hall. Martin Bresnick on "Neither Modernism nor Post-Modernism: Aspects of my Music."  
■ Geography Coffee Hour, 3:30 p.m., 319 Walker. Larry McGlinn, visiting prof., on "The Social Geography of Chinese in the United States 1870-1920."  
Panhellenic Greek Sing 1992, 7 p.m., Eisenhower Aud.  
Shaver's Creek, 7-8:30 p.m., Fireside Stores. Call 863-2000.  
**Saturday, Nov. 7**  
Center for the Performing Arts, 8 p.m., Schwab Aud. Boston Camerata to perform "New Britain: The Roots of American Folk-song."  
**Sunday, Nov. 8**  
Shaver's Creek, 2:30-3 p.m. Winged Hunters. Call 863-2000.  
Pennsylvania Dance Theatre, 3 p.m., Schwab Aud. "Informance 1992."  
**Monday, Nov. 9**  
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Tom Beebe on "La femme lettrée (The Lettered Woman)."  
Division of Undergraduate Studies, 1 p.m., Assembly Room, Nittany Lion Inn. Fall advising conference.  
**Also Nov. 10.**  
Film discussion, 6:30 p.m., 230 Chambers. Deirdre Pribam on "The Family Business."  
Center for Women Students, Contemporary Scholarship on Lesbian and Gay Lives Speaker Series, 8 p.m., Robeson Cultural Center. Gregory Herek, Univ. of Calif., Davis.  
Marker Lectures, 8 p.m., 119 Osmond Lab. Daniel Kleppner on "Science, Science Bashing, and the Descent into Wooliness."  
**Tuesday, Nov. 10**  
Center for Women Students, Brown Bag Lunch Series, noon, 120 Bouckee. "Discussion on Feminism."  
Marker Lectures, 4 p.m., 110 Wartik Lab. "The Pursuit of Very Cold Hydrogen."  
Center for Adult Learner Services Financial Planning Seminar Series, 6 p.m., 329 Bouckee. Jim Fay on "Investments and Retirement Plans."  
Philip Murray Memorial Labor Lecture, 7:30 p.m., Keller Conference Center. Leon Lynch, USWA vice president.  
Lecture, 8 p.m., 112 Walker. Roland E. Fleischer on "Connoisseurship Problems in Dutch Painting: Some Seventeenth-Century 'Who-Done-Its'."  
Panhellenic Council's Women's Awareness Week, 8 p.m., Schwab Aud. Keynote

speaker, Sara Weddington.  
Wednesday, Nov. 11  
Marker Lectures, 4 p.m., 101 Althouse Lab. Daniel Kleppner on "Quantum Chaos, I."  
Urban Bush Women, 5 p.m., Robeson Cultural Center. Lecture, Jawole Willa Jo Zollar.  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Modern Jazz Quartet.  
**Thursday, Nov. 12**  
Urban Bush Women, 11:15 a.m., 108 White Bldg. Master class, Jawole Willa Jo Zollar.  
Marker Lectures, 3:30 p.m., S5 Osmond Lab. Daniel Kleppner on "Quantum Chaos, II."  
Men's Blue/White Basketball game, 7:30 p.m., Recreation Bldg. To benefit the



An Egyptian sculpture of the head of a girl is on display during November in the Calder Way and Allen Street office of Peoples National Bank in State College. The sculpture is part of 'Art-to-Go.'

United Way.  
Graduate Fellowships and Awards Office, 7:30 p.m., Nittany Lion Inn. Sixty-eight graduate students will be honored by David Shirley, senior vice president and dean of the graduate school. Keynote speaker, Jules LaPlante, U.S. Council of Graduate Schools' president.  
Penn State Vienna Orchestra, 8 p.m., School of Music Recital Hall, "Mini-concert."  
**Friday, Nov. 13**  
Urban Bush Women, noon, Robeson Cultural Center. Lecture-demonstration.  
Geography Coffee Hour, 3:30 p.m., 319 Walker. Sally McMurry on "Rise of the Farm Factory: The Industrialization of 10th Century Dairying."  
School of Music, 8 p.m., Recital Hall. "American Music for Flute and Piano, 1961-1991."  
URTC, 8 p.m., The Playhouse. "The Comedy of Errors."  
**Saturday, Nov. 14**  
Office of Minority Faculty Development, workshop, 9 a.m., 114K Kern. Harold Cheatham on "The Publishing Process."  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Urban Bush Women, "I Don't Know, But I've Been Told If You

Keep On Dancing You'll Never Grow Old."

### CONFERENCES

**Nov. 6-7.** Lady Lion Basketball Coaches Clinic; 135 attendees; Holiday Inn; R. Portland, chair; C. Herd, coordinator.  
**Nov. 6-7.** American Society for Engineering Education; 150 attendees; Nittany Lion Inn, Days Inn; R. Engel, chair; R. Maclean, coordinator.  
**Nov. 6-7.** State Urban and Community Forestry Workshop; 200 attendees; Nittany Lion Inn, Hampton Inn, Best Western; B. Elmendorf, chair; M. Johnston, coordinator.  
**Nov. 8-13.** Executive Management Program #88, Week IV; 15 attendees; Nittany Lion Inn; A. Clark, chair; J. Menoher, coordinator.  
**Nov. 8-20.** Industrial Marketing Management Program; 35 attendees; Nittany Lion Inn; J. Menoher, coordinator.  
**Nov. 9-13.** HEC-2 Floodplain Hydraulics; 25 attendees; Nittany Lion Inn; A. Miller, chair; B. Impellitteri, coordinator.  
**Nov. 9-20.** POLEX; 20 attendees; Best Western; J. Horner, chair; K. Karchner, coordinator.  
**Nov. 10-13.** Mammalian Cell Cultures; 12 attendees; Days Inn; K. Rashid, chair; J. Milsom, coordinator.  
**Nov. 11-13.** Elements of Coal Preparation; 18 attendees; Nittany Lion Inn; R. Franz, chair; R. Maclean, coordinator.  
**Nov. 12-14.** American Educational Research Association; 100 attendees; Nittany Lion Inn; P. Nelson, chair; J. Milsom, coordinator.  
**Nov. 15-20.** Harrisons & Crossfield Management Program at Penn State, Week II; 28 attendees; Nittany Lion Inn; M. Taylor, chair; J. Menoher, coordinator.

### SEMINARS

**Thursday, Nov. 5**  
Ceramics Lecture, 11 a.m., 301 Steidle.  
Prabhal K. Gupta, Ohio State Univ., on "Glass-Forming Ability and Topologically Disordered Networks."  
Master Teacher Seminar Series, 3:30 p.m., 118 ASI Bldg. Helen A. Manuilu, "On Discovering Who and Relating to Students in Large Class Sections."  
Computer Science, 4 p.m., 325 Whitmore. Karen Sollins, MIT, on "Paradigms of Universality: Networking in the Information Age."  
Gerontology Lecture, 4 p.m., 106 Mitchell. Siegfried Straut on Age and Managerial Functioning."  
Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Jaya Chandra, assoc. prof. of industrial engineering.  
**Friday, Nov. 6**  
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Jess Ford on "Non-Linear Spectroscopy of Water Surfaces."

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Michael Rubin, president, Molinaro/Rubin Associates, Philadelphia.

**Monday, Nov. 9**  
Entomology, 3:45 p.m., 107 ASI Bldg. Dan Kurtek, World Health Organization, on "The WHO Onchocerciasis Control Programme in West Africa: River Blindness Vector Control in a Million Square Kilometers."  
**Tuesday, Nov. 10**  
Entomology, 10 a.m., 504 ASI Bldg. Dan Kurtek, WHO, on "The WHO Onchocerciasis Control Programme in West Africa: Resistance Management of the Simuliid Vector of River Blindness."  
Particulate Materials Center, 11:15 a.m., 301 Steidle. Reg Davies, DuPont, on "Particulate Materials—On the Yellow Brick Road."  
Plant Pathology, 1 p.m., 112 Buckhout Lab. Margaret Dub, North Carolina State Univ., on "Cellular Resistance to Cercospora, a Photoactivated Phytotoxin."  
Chemistry, 3:30 p.m., S5 Osmond Lab. Carol Cerutz, Brookhaven National Laboratory, on "Kinetic Barriers to Atom Transfer Between Transition Metal Centers."  
Graduate Program in Nutrition, 4 p.m., S-209 Henderson; Barbara A. Kochanowski, Proctor & Gamble, on "Calcium Citrate-Malate: From Discovery to Product Development."  
Biology, 4 p.m., 8 Mueller. Robert Marquis, Univ. of Missouri.  
Operations Research, 4:35 p.m., 207 Sackett. Holly Lewis, Penn State.  
**Wednesday, Nov. 11**  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. Charles E. Bakis on "Ferrocenyls."  
**Thursday, Nov. 12**  
Ceramic Science, 11 a.m. 301 Steidle. Fumio Ohuchi, Univ. of Washington, on "Van der Waals Epitaxy of Low-Dimensional Materials."  
Gerontology Center, 4 p.m., 106 Mitchell. Helen Adams on "Predictors of Physician House Calls."  
**Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond.** David Goldsman, Georgia Tech.  
**Friday, Nov. 13**  
Physical Chemistry/Chemical Physics, 2:30 p.m., S5 Osmond. Mildred Alexander, on "New Ways of Studying Mechanisms of Photodissociation."  
Agronomy, 3:35 p.m., 101 ASI Bldg. Andrew Rogowski, Agricultural Research Service, on "Simulating Nitrate Flux on Agricultural Watersheds."  
**EXHIBITS**  
Hetzel Union Building Lobby;  
"Buy Recycled" exhibit, through Dec. 19  
**Art Alley:** Rosalming by Roger Zeller, until Nov. 29. Photographs by Ron Beadenkopf, until Nov. 29.  
**Pattee Library Main Lobby:** "Trashing the Libraries: The Preservation Problem," through Nov. 9.  
Zoller Gallery School of Visual Arts Faculty Exhibit, Nov. 9-Dec. 10.  
■ Reflects an international perspective

# Arts

## Continued from Page 6

sor of music, conductor of the Pennsylvania Centre Chamber Orchestra, and music director for Penn State's summer music festival. Music at St. Peter's Woods, will conduct the Vienna Orchestra.

The concert is free to the public.

### 'The Comedy of Errors'

The University Resident Theatre Company will open the second production of its 1992-93 season, "The Comedy of Errors," at 8 p.m. Friday, Nov. 13, at The Playhouses at University Park.

Misken identities of absurd word play characterize this well-known Shakespearean farce in which two sets of identical twins, separated soon after birth, are drawn by chance to the same city at the same time. Blind to the truth, servants run errands for the wrong masters, wives dine with the wrong husbands, and merchants make deals with the wrong clients.

The production is directed by Cary Libkin, associate professor of theater arts, who has directed professional theater in Chicago and has been involved with several summer Shakespeare festivals. Prior to coming to Penn State in 1990, he taught in the professional actor training program at the University of Illinois. His most recent productions include "Trojan Women" and "Pirates of Penzance" for the University Resident Theatre Company.

Evening performances begin at 8 p.m. The matinee performance on Saturday, Nov. 14, is at 2 p.m. Student previews are at 8 p.m. Wednesday, Nov. 11, and Thursday, Nov. 12. For ticket information, contact the Eisenhower Auditorium Ticket Center at (614) 863-0255.

### Duo recital

Guest artists Claudia Anderson, flute, and Richard Gloss, piano, specialists in the performance of recent American works, will present a duo recital at 8 p.m. Friday, Nov. 13, in the School of Music Recital Hall at University Park. Ms. Anderson also will instruct a master-class of Penn State flute student performers at 10 a.m. Saturday, Nov. 14, in Room 115 of the Music Building.

The program, "American Music for Flute and Piano, 1961-1991," will include John Harbison's Duo for flute and piano; Rodney Rogers' "April Hello" for flute and piano; Shih-rich Korde's "Tenderness of Cranes" for solo flute, and Lowell Liebermann's Sonata, Op. 23 for flute and piano.

Ms. Anderson is on the faculty at Grinnell College in Iowa and also has taught at Smith and Mt. Holyoke Colleges and the University of Massachusetts. After receiving a Fulbright Grant to study with Severino Gazzelloni, a specialist in contemporary flute techniques, she was engaged as principal flutist of the Orchestra del Teatro Massimo in Palermo, Italy, for five years. A four-time winner of the National Flute Association's Professional Performer and Chamber Music Competitions, she is also a member of the innovative flute and guitar duo, Duo Duo.

Mr. Gloss has specialized in contemporary woodwind and brass ensembles for a number of years, performing extensively throughout the midwest. Following applied studies in Madrid, Spain, with Vladimir Vuletic, he undertook graduate work at the University of Iowa and subsequently established his career as a special accompanist, performing a wide range of instrumental and vocal compositions.

The concert and the master-class are free to the public.

### Art-to-Go

An Egyptian sculpture of the head of a girl will be on display during November in the Calder Way and Allen Street office of Peoples National Bank in State College.

Made of wood, an unusual and rare material for ancient Egyptian sculpture, the carving dates from 1100 B.C. Most often associated with members of the Egyptian elite, these wooden objects were used by the Egyptians to create furniture, wagons, sarcophagi and the elaborate cosmetic spoons that were placed on toilet tables.

This particular piece is dated from the New Kingdom era (1567-1085 B.C.) under the rule of the Ramses leaders (III-XI), a period in which the imperial rule of Egypt was at its greatest expansion. It was probably used for funeral purposes and included in a tomb.

The sculpture is part of Art-to-Go, an ongoing monthly exhibit of different works from the Palmer Museum of Art's permanent collection on display at Peoples National Bank to which the public is invited. Funding for Art-to-Go is provided by the Friends of the Palmer Museum of Art.

### Art education colloquium

Kimberly Kranich, WPSX-TV producer and director, will address the Art Education 590: Colloquium at 6:30 p.m. Monday, Dec. 7, in Room 230 Chambers Building at University Park.

She will discuss the "Purple Rabbit Show," a radio program devoted to women's music, news and comedy, of which she is creator, writer, producer and host.

The lecture is free to the public.

### Scopes on WPSU

Joseph Hall, assistant professor of biochemistry, will be the featured guest on the Nov. 12 segment of the WPSU radio program, "Scopes: Women and Minorities in the Sciences at Penn State."

The half-hour program will air at 12:30 p.m. following a companion program, produced at the University of Minnesota and distributed by National Public Radio, titled "Science Lives: Women and Minorities in the Sciences," which will begin at noon. The topic of the companion National Public Radio program on Nov. 12, an interview with a biologist studying DNA, is "There Must Be a Cure."

Dr. Hall's primary research interest is male reproductive biology and contraception. He is the only African-American/Black-American biochemist conducting research to develop an oral birth-control pill for men and one of only four whose research focuses on human reproduction. He is a recipient of the coveted National Science Foundation Young Investigator Award.

Londa Schiebinger, associate professor of history and host of the series, will interview Dr. Hall. "Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

### Featured authors

On the Penn State Bookstore on campus will feature author Mike Sajna and photographer Jim Schafer to sign and discuss their new book *The Allegheny River, Watershed of the Nation* (Penn State Press, 1992), from 2 to 3:30 p.m. From 3 to 5:30 p.m. Sarah Weddington, the lawyer who won Roe v. Wade, will sign and discuss her new book *A Question of Choice*.

On all the rivers in the country, few can claim as long, diverse and colorful a history as the Allegheny. The authors take the reader on a trip from its headwaters to its mouth, charting the Allegheny River's history from its creation during the Ice Age to the present.

Ms. Weddington is a lawyer who also teaches at the University of Texas. She lives in Austin and is a leading voice for choice.

## NEWS IN BRIEF

### Technology workshop

The Office of Research and Technology Transfer will present a workshop on the Advanced Technology Program of the National Institute of Standards and Technology from 3 to 5 p.m. Wednesday, Nov. 18, in 402-03 Keller Conference Center at University Park.

Bettijoce B. Lide, project manager, Advanced Technology Program, National Institute of Standards and Technology, will discuss "Government-Industry-University Partnerships: A Major Trend in Future Research Funding." The Advanced Technology Program (ATP), established in 1985, provides federal funds for research activities that can help address United States competitiveness problems. It can provide sponsored research funding for faculty and graduate students and support for academic program development, as well as technology transfer activities.

If interested in attending, contact Katharine Garman at 865-9519 by Nov. 16.

### Homeless program

The State College Branch of the American Association of University Women will present a program on the homeless at 7:30 p.m. Thursday, Nov. 12, at 902 S. Allen St., State College.

Kathy Miglani, vice president, board of directors, Temporary Housing, Inc., will speak on "The Homeless: How State College Offers a Helping Hand."

### Professional Office Conference

The University's Professional Office Conference will be held Tuesday, Nov. 17, at the Best Western Eden Resort in Lancaster.

Participants can choose from 18 different workshops on topics such as achieving excellence, keeping your cool under pressure, the power of positive self esteem, business writing, and leadership skills for support staff and workers, families and the workplace.

Cost for the day-long conference is \$65 for University personnel. To register or for more information, call the University's Lancaster Center at (717) 299-7667.

### United Way benefit

University students have joined Team Penn State efforts to support United Way by sponsoring the Men's Blue/White Basketball Scrimmage game at 7:30 p.m. Thursday, Nov. 12, in Recreation Building. Doors will open at 6:30 p.m. Admission is \$1.00 per person and all proceeds will be donated to United Way through Team Penn State.

Employees are invited to bring family members to see the 1992-93 men's team for their first public appearance of the season. Student organizers and Coach Bruce Parkhill, this year's honorary chair of the Centre County United Way, will hold a "meet the team" session after the game.

For more information, contact Carol German, advisor at the Student Organization Resource Center, 863-4624.

### Name change

The Returning Adult Student Center is now the Center for Adult Learner Services. The center's location, 323 Boucke Building at University Park; phone number, 863-3887, and functions remain the same.

The center continues to serve adult learners who are defined as persons 24 years of age and older; veterans of the armed services; individuals who have been out of school for four or more years, and persons who assume multiple adult roles in addition to that of student.

Center staff helps potential adult learners decide how they might study at Penn State; aids adult learners in the transition to student status, and advocates for institutional changes that would make Penn State more supportive of adult learners. Since the Center aids prospective adult learners of all backgrounds, the name was changed to eliminate any confusion that may have existed.

### Financial planning series

The third session in the "Financial Planning Seminar Series" sponsored by the Center for Adult Learner Services, will be held at 6 p.m. Tuesday, Nov. 10, in 329 Boucke at University Park.

Jim Fay, financial planner, will discuss "Investments and Retirement Plans." For more information, contact the center at 863-3887 or stop by 323 Boucke.

# Penn State extends its reach to space



The space shuttle, Columbia, lifted off at 09:39 e.d.t. from Kennedy Space Center, in Florida on Oct. 22, carrying Physiological Systems Experiment - 02, — a partnership enterprise between Merck & Co., Inc, West Chester, Pa. and Penn State's Center for Cell Research. The Center for Cell Research is a NASA Center for the Commercial Development of Space.

PSE-02 will test the ability of a Merck compound that is being developed to treat osteoporosis, a bone-thinning condition. It is hoped the compound can slow or stop bone loss induced by microgravity. Today, 25 million Americans, primarily women, suffer from osteoporosis.

Although Columbia carried PSE-02, the primary task of its 10-day mission was to dispatch the Laser Geodynamics Satellite, which it accomplished on its second day in orbit.



Staring in awe as the shuttle shoots skyward are Roy Walker, manager, scientific information, Merck & Co., Inc. of West Chester, Pa. and Barbara Hale, director, public relations, Penn State's Center for Cell Research.



The launch of Columbia was delayed for approximately 2 hours at T-minus 9 minutes due to high cross winds at the Kennedy Space Center landing strip. KSC is used if an abort to launch site is required of a shuttle.



Above, network news crews prepare for the launch of STS-52, the designation given to the Columbia flight.



At left, videographers, photojournalists and journalists aim their cameras skyward to capture the shuttle on film.

# LECTURES

## Russell Marker Lectures

### MIT physics professor to speak Nov. 9 - 12

Daniel Kleppner, Lester Wolfe professor of physics at the Massachusetts Institute of Technology, will present the Russell Marker Lectures in the Physical Sciences Nov. 9-12 at University Park.

The four-lecture series, "Topics in Atomic Physics, Etc.," is sponsored by the Eberly College of Science and is free to the public.

The lecture schedule includes: "Science, Science Bashing, and the Descent into Wooliness," 8 p.m. Monday, Nov. 9, 119 Osmond Laboratory; "The Pursuit of Very Cold Hydrogen," 4 p.m. Tuesday, Nov. 10, 100 Wartik Laboratory; "Quantum Chaos I," 4 p.m. Wednesday, Nov. 11, 101 Althouse Laboratory; "Quantum Chaos II," 3:30 p.m. Thursday, Nov. 12, 5-5 Osmond Laboratory.

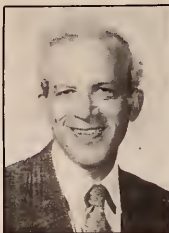
Dr. Kleppner's research interests involve the areas of experimental atomic physics, high-precision measurements, and quantum optics. While pursuing graduate studies at Harvard University in the 1950s, he participated in the invention of the hydrogen maser, an antecedent of the laser. He currently is conducting

studies of hydrogen at extremely low temperatures and is researching both quantum chaos and ultra precise laser spectroscopy.

In recognition of his achievements, Dr. Kleppner has been honored with the 1985 Davison-Germer Prize and the 1990 Julius Edgan Lilienfeld Prize of the American Physical Society as well as the 1991 William F. Meggers Award of the Optical Society of America.

An elected member of the National Academy of Sciences, Dr. Kleppner also is a Fellow of the American Physical Society, the American Association for the Advancement of Science, and the American Academy of Arts and Sciences. He has written or cowritten numerous published articles and papers, and is the coauthor of two textbooks, *An Introduction to Mechanics*, published in 1973, and *Quick Calculus*, published in 1985.

Prior to joining the faculty at MIT as an associate professor of physics in 1966, Dr. Kleppner was an assistant professor of physics at Harvard University. He earned a bachelor of science degree at Williams College in 1953, a bachelor



Daniel Kleppner

of arts degree at Cambridge University in 1955, and a doctoral degree at Harvard in 1959.

The Marker Lecture series was established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth control pill.

### United Steelworkers v.p. to lecture at University Park

Leon Lynch, vice president of the United Steelworkers and one of the leading Black trade unionists in the country, will give the sixth annual Philip Murray Memorial Labor Lecture at 7:30 p.m. Tuesday, Nov. 10, in the Keller Conference Center Auditorium at University Park.

Mr. Lynch was first elected as the USWA's vice president for human affairs in 1976 and is now serving his fourth term. He joined USWA Local 1011 in 1956 at the Youngstown Sheet & Tube Co. in East Chicago, Ind., and served on the grievance committee. In 1968, he was appointed staff representative and assigned to Memphis, Tenn., until being named international representative in 1973.

Chairman of the USWA's Container Industry

Conference, he leads the bargaining in that industry and also serves on the General Executive Board of the AFL-CIO Industrial Union Department. In addition, he was elected to an at-large seat on the Democratic National Committee and to its Executive Committee.

The Philip Murray Memorial Labor Lecture honors the memory of the first president of the United Steelworkers of America and second president of the Congress of Industrial Organizations. The annual lecture is sponsored by the Department of Labor Studies, the Labor Archives and Historical Collections, the Labor Studies Club and the United Steelworkers of America.

### Division of Undergraduate Studies

## "Art of advising" is the theme for fall conference at University Park Nov. 9 - 10

The art of advising is the theme of the fall advising conference sponsored by the Division of Undergraduate Studies (DUS), to be held from 1 p.m. Monday, Nov. 9, to noon Tuesday, Nov. 10, in the Assembly Room of the Nittany Lion Inn at University Park. University faculty and staff are invited to attend.

Several events will be of special interest to the University community. From 10:15 to 2:45 p.m. Monday, Nov. 9, a workshop on the use of the

"nominal group" technique as an assessment tool for advising will be conducted by Teresa Musser, DUS program assistant. The remainder of the afternoon will be devoted to a tour of the Theatre Arts Production Studios.

The Art of Advising: A Faculty Perspective" will be discussed by William Kelly, professor in charge of integrative arts for University Park and associate professor of theatre and integrative arts, from 8:30 to 9:30 a.m. Tuesday, Nov. 10.

The University Park Ensemble Theatre Company, an undergraduate acting group directed by Barry Kur, associate professor of theatre arts, will explore advising issues through improvisation and audience interaction from 9:30 to 10 a.m. Tuesday.

For more information about the conference program, contact James Kelly, associate director, Division of Undergraduate Studies, 304 Grange Building, 865-7576.

### FACULTY / STAFF ALERTS

#### Benefits open house

A fifth benefits open house has been added to give faculty and staff an additional opportunity to meet with representatives of TIAA-CREF, HealthAmerica and Employee Benefits to ask specific questions concerning the benefits options available to be effective Jan. 1, 1993.

This open house will be held from 9 a.m. to 5 p.m. Thursday, Nov. 12, in Room 301 Ag Administration Building at University Park.

#### Benefits election deadline

Nov. 30 is the deadline for submitting the various benefit election forms.

Because HealthAmerica will be processing claims for participants in Healthpass and Plan A, it is necessary for all faculty and staff to return the HealthAmerica enrollment form even if they are not electing to participate in the HealthAmerica HMO.

All faculty and staff eligible to participate in the new age-graded group life insurance program should return the blue election form indicating which option is being selected to be effective Jan. 1.

Only faculty and staff enrolling in the LTD program for the first time need to return the LTD card.

The flexible benefits election form should be returned, if participation in option 1 (contribution conversion) is being elected for the first time, or if participation in one or both of the reimbursement accounts is desired for 1993 (even if participating in 1992).

The Employee Benefits staff is available to answer any question at (814) 865-1473.

#### Vietnam/Disabled Veterans

The University is a government contractor (subject to Section 412 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended). This regulation requires government contractors to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era.

A "disabled veteran" is a person entitled to disability compensation under laws administered by the Veterans Administration, for disability rated at 90 per centum or more, or a person whose discharge or release from active duty was for a disability incurred or aggravated in the line of duty.

A veteran of the Vietnam era is defined as someone who served on active duty for at least 180 days during the Vietnam crisis (between Aug. 5, 1964, and May 7, 1975), and qualifies for coverage during the first four years following discharge from the service.

If you are a disabled veteran or Vietnam veteran covered by these definitions and would like to be considered under the affirmative action program, please contact the Affirmative Action Office (863-0471).

The information requested is voluntary and will not be used to adversely affect the terms and conditions of your employment. It will be kept confidential except that (1) it may be kept confidential from supervisors and managers who are informed regarding restrictions on work duties and necessary accommodations, and (2) first aid personnel may be informed, when and to the extent appropriate, if the condition might require emergency treatment.

# Focus on Research

Intercom  
November 5, 1992

## Applying technology in the classroom

Researchers develop  
program to help students  
solve real-life problems

College of Education researchers have received a \$1 million federal grant to establish ways to help teachers encourage students to learn algebra by using computers and calculators.

The three-year program, funded by the National Science Foundation, is titled "Empowering Mathematics Teachers in Computer-Intensive Environments." It is likely to have a major impact on the way algebra will be taught nationwide.

"With today's computing technology, paper-and-pencil calculation is no longer at center stage," noted Kathleen M. Heid, associate professor of education. "It is important that all young people be able to concentrate on building a mathematical understanding that can make them globally competitive.

"This program helps teachers focus on teaching students to recognize when and how to apply technology and the principles of algebra to solve real-life problems."

The program was developed by Dr. Heid, Glendon W. Blume, associate professor of education, and Rose Mary Zbiek, a doctoral candidate in mathematics education.

In workshops and consultations, junior and senior high school mathematics teachers from around the country will learn to implement an algebra computer-intensive curriculum and learn new methods of assessing students' mathematical understanding in computer-intensive environments.

Dr. Heid and James T. Fey, University of Maryland professor of mathematics and curriculum instruction, directed the research teams of mathematicians, classroom teachers and other educators who have developed and tested the new algebra curriculum for the past seven years.

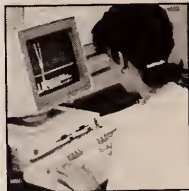
"One of the most important outcomes of this project will be that teachers will understand the need for a radically different algebra curriculum," noted Dr. Heid. "They will see that the computer-intensive curriculum is bound to be the wave of the future."

For the next two years, 60 teachers are scheduled to participate in four-week summer classroom and laboratory training sessions at the University Park Campus. They will come from schools in Philadelphia, Miami, New Orleans, San Jose and Gary, Ind., as well as from ones in rural areas of Arkansas, Tennessee, Virginia, Pennsylvania, Maryland, Delaware, New Jersey, Iowa, Wisconsin and Idaho. About 150 more teachers will participate in regional two-day workshops in the Washington, D.C., San Jose and Chicago areas. Some teachers also will work with Penn State researchers to further study the effectiveness of the curriculum in urban, suburban and rural school settings.

For the next three years, researchers and participants will use an electronic network to collect research data. They will study and evaluate the promise of programs like this on teacher education and on the ability of students to learn and apply algebraic principles.



Glendon W. Blume and Kathleen M. Heid



Students work on computers to solve math equations.

Photos: Greg Grieco

— Aaron Singleton

# Quick overview of health care options of HMO

Penn State faculty and staff will be asked to select from the health care options of an HMO, a PPO (Healthpass) or Plan A by Nov. 30. Details on Healthpass and Plan A already have been provided to faculty and staff. To better understand the options since Penn State has not previously offered an HMO, here's a brief description:

HealthAmerica's HMO not only provides coverage for hospital and physician fees, it also covers a wide range of preventive services to promote early detection of illness and help keep members healthy. Services like complete physicals, immunizations, well-baby check-ups, mammograms and routine Ob/Gyn exams are covered in full. There are no deductibles and no claim forms.

HMO members also receive a prescription drug card which will be honored at local participating pharmacies. The prescription drug benefit covers 50 percent of the average wholesale price of appropriately prescribed medications.

HealthAmerica's HMO covers many health education and wellness programs including smoking cessation, weight loss and nutrition, and stress man-

**All faculty and staff must complete enrollment applications by Nov. 30, even if they are not changing plans.**

agement through our Plus Services program. It has been proven that emphasis on prevention rather than treatment can reduce the risks of serious long-term health problems.

Faculty and staff who elect to join the HMO will be asked to select a primary care physician (PCP) at

the time of enrollment from HealthAmerica's provider directory. PCPs specialize in such areas as family practice, internal medicine, and pediatrics. A single PCP may be selected for an entire family or each family member has the option of selecting his or her own PCP. PCPs coordinate all medical care for HMO members. Should care be required outside the PCP's expertise, the PCP will refer the member to an appropriate specialist.

With HealthAmerica's stringent credentialing procedures, those who elect the HMO option can be assured that the PCP selected is well qualified to provide proper medical care.

All faculty and staff must complete enrollment applications even if they are not changing plans. Applications are due Nov. 30. Enrollment in the HMO will be limited to the first 7,500 faculty, staff and dependents who apply and who reside in Centre County.

## APPOINTMENTS



Larry Dansky

University Health Services has appointed three physicians to its General Medicine-Outpatient Department. Drs. Larry Dansky, Yvonne Patterson, and Lewis Logan will provide primary health care for University students.

Dr. Dansky was previously in his own private practice of medicine in Athens, Ohio. He completed his medical education at the



Lewis Logan

Prior to that, she was in private practice and also was on the medical staff of Kent State University Deweese Health Center. She is board certified in pediatrics, having received her medical degree from the Northeastern Ohio Universities College of Medicine. She completed her residency at Childrens Hospital Medical Center of Akron, Ohio.

Dr. Logan is the former associate director of emergency medical services of Divine Providence Hospital, Williamsport. He is a Diplomate of the American Board of Emergency Medicine and the American Board of Family Practice and a Fellow of the American College of Emergency Physicians. He received his doctorate of medicine from Penn State's College of Medicine and completed a family practice residency at St. Margaret Memorial Hospital.

He will assume responsibility for quality improvement activities among the clinical staff and coordinate resident physicians during training rotations at University Park in the General Medicine-Outpatient Department.

Gail Bruce-Sanford has been appointed staff psychologist and coordinator of minority student programs and services at the Center for Counseling and Psychological Services.

In announcing the appointment, Dennis Heitzmann, center director, said that, in addition to providing psychological services to university students, Dr. Bruce-Sanford will plan and facilitate outreach and consultation services to University minority students, faculty and staff.

Dr. Bruce-Sanford received a B.S., M.Ed. and Ph.D. from Howard University in Washington, D.C. Her predoctoral internship was at Howard University Counseling Service, with a postdoctoral internship at Laurel Community Mental Health Clinic.

Since 1986 she has been a staff counselor at George Mason University Counseling Center, where she was coordinator of the Black Peer Counseling Program and provided individual and group counseling and psychotherapy to a culturally diverse population.



Gail Bruce-Sanford

University of Miami and his residency in family practice at the Family Practice Program, State University of New York at Syracuse. He is a Fellow of the American Academy of Family Practice.

He also will supervise the mid-level practitioners, physicians' assistants and nurse-practitioners in the General-Medicine-Outpatient Department.

Dr. Patterson most recently served as medical director of the Clarion University of Pennsylvania Student Health Service.



Yvonne Patterson

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November 5, 1992  
Vol. 22, No. 12

## PENNSTATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor

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## Airport expansion

Charles Welch, chairman of the Centre County Airport Authority, speaks at dedication ceremonies Nov. 4 for the expanded University Park Airport passenger terminal. Behind him are Robert C. Finley, left, assistant to the vice president for business and operations, and U.S. Rep. William Clinger, R-Warren. The expansion project, which more than doubles the size of the terminal, includes a canopied drop-off area, ticket offices, and an arrival and departure lounge. It also provides for a centralized baggage area in the old section of the terminal building. In addition to the terminal expansion project, a recently completed airline parking ramp can accommodate up to seven planes at a time. The ramp also includes two spaces specifically designed to hold planes that are heavier than those currently serving the airport.



Photos: Greg Grieco

## Marker Lecture Series

# Yale genetics professor to speak Nov. 16 - 19 at University Park

Frank Ruddle, Sterling professor of biology and professor of human genetics at Yale University, will present the third Russell Marker Lectures in Evolutionary Biology Nov. 16-19 at University Park.

The series of four lectures, "Evolution of Developmental Control," is sponsored by the Eberly College of Science and is free to the public.

The lecture schedule is: "Genomic Organization of the Homeobox Gene Family," 8 p.m. Monday, Nov. 16, 101 Classroom Building; "Developmental Role of Homeobox Genes," 4 p.m. Tuesday, Nov. 17, 8 Mueller Laboratory; "Evolution of an Epigenetic System," 4 p.m. Wednesday, Nov. 18, 101 Althouse Laboratory; and "Functional Interplay of Genes at the Chromosomal Level," 11:45 a.m. Thursday, Nov. 19, 112 Buckhout Laboratory.

Dr. Ruddle, who specializes in genetics and cell biology, has research interests in somatic cell genetics and differentiation. He is a leader in the field of homeotic gene expression and regulation, and he is a major player in the human genome mapping project.

Throughout his career, Dr. Ruddle has been

honored with numerous awards, including the Herman Beerman Award of the Society of Investigative Dermatology; the Allan Award of the American Society of Human Genetics; the New York Academy of Sciences Award in Biological and Medical Sciences; and, most recently, the Katherine Berkan Judd Award of the Memorial Sloan-Kettering Cancer Center.

A Fellow of the American Association for the Advancement of Science, the New York Academy of Sciences, and the American Academy of Microbiology, he also is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the Institute of Medicine of the NAS. In addition, he has served as president of the Society for Developmental Biology, the American Society of Human Genetics, and the American Society for Cell Biology.

Dr. Ruddle earned his bachelor's and master's degrees at Wayne State University in 1953 and 1955, respectively, and his doctoral degree at the University of California, Berkeley, in 1960. He has received honorary degrees from Lawrence

# Heinz Foundation gives almost \$877,000 for nutrition programs

The Howard Heinz Endowment of Pittsburgh has given nearly \$877,000 to a project in the College of Health and Human Development to enhance and develop nutrition education programs for children and the elderly.

The grant will be used to develop nutrition education programs that promote healthy eating patterns among school-aged children, develop new approaches for reaching older Americans with sound nutritional information, and provide funds for the communication and promotion activities of the Nutrition Center.

The Howard Heinz Endowment since 1975 has provided support for nutrition education programs at the University, including a grant of \$750,000 in 1989 to help improve nutrition education in secondary schools and to teach diabetic children how they could change harmful eating habits.

"We're thrilled with this grant," said Cheryl Achterberg, associate professor of nutrition and program director for the project. "It provides us with our first opportunity to develop and test cutting-edge technologies in nutrition education, including interactive computer and video media. We believe this grant will seed further projects in this innovative area."

Penn State has grown to national prominence in nutrition education, with two journals in the field — the *Journal of Nutrition Education and Nutrition Today* — edited here. Local, state, and federal agencies regularly seek consultations with faculty in the Nutrition Center, as do major international corporations such as Kraft General Foods and Hershey Foods.

Faculty have developed and promoted nutrition education for mothers, school-age children and the elderly. They also have created new nutrition education curricula for use by elementary and secondary school teachers that integrate nutrition into the subject areas of math, science, health, home economics and social studies. Teacher training in the subject is included as part of the programs.

Other programs have included evaluation of cholesterol education for at-risk children, an education program for diabetic children, and the development of a model that rural health-care providers can use to improve the detection and treatment of adults with high levels of cholesterol.

The Howard Heinz Endowment was established in 1941 through a bequest by Howard Heinz, a son of H.J. Heinz, founder of the food products firm, H.J. Heinz Co. The endowment's grant is the most recent of several from the Heinz Endowment to Penn State Nutrition Department programs.

## FACULTY SENATE NEWS

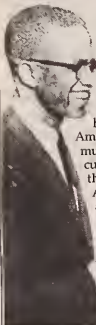
The University Faculty Senate will meet at 1:30 p.m. Nov. 17, in Room 112 Kern Graduate Building.

- Items to be discussed:
  - computer fee allocation
  - report on Libraries automation developments
  - President's Planning and Budget Advisory Committee Report
  - resolution regarding the consultation process of the University Future Committee

Members of the University community are invited to attend this and all meetings of the University Faculty Senate.



# Malcolm X film is part of cultural diversity classes



The new Spike Lee film "Malcolm X" will be shown as part of University cultural diversity classes when the film debuts Nov. 18.

A free viewing of the film will be held for students in African/Black-American studies, religious studies, and other cultural diversity classes at 2:30 p.m. at the State Theater in State College. About 225 students are expected to attend the screening sponsored by the Office of the Vice Provost for Educational Equity.

A much talked about film, "Malcolm X" focuses on the life of civil-rights activist Malcolm X.

Since 1990 the University

has required all students seeking degrees to complete either three credits of cultural diversity-focused or 12 credits of cultural diversity-enhanced courses. The requirement for students seeking associate degrees, which became effective this fall, is either three credits of cultural diversity-focused or six credits of cultural diversity-enhanced courses.

Under the policy, diversity-focused courses must focus on race, ethnicity, religion, gender, sexual orientation and/or global perspectives, while diversity-enhanced courses must devote at least 25 percent of their content to such issues.

"We are very pleased to expose our students to such a popular film that highlights the life of a man who was a major figure in 20th century history," said Marc Levy, senior diversity planning analyst and

baccalaureate



coordinator of the screenings. "Since it is for class, we hope the film will reach students who may not otherwise get a chance to see it."

Follow-up discussions will be conducted in subsequent classes.

Using popular first-run motion pictures as educational tools is not new to Penn State. In 1989, the University conducted a program using the Spike Lee blockbuster "Do the Right Thing," which dealt with racism. In 1990, a discussion program was conducted after free showings of the award-winning film "Glory," which focused on an African/Black American regiment in the Civil War. In 1991 a program was held after free showings of the popular Spike Lee movie "Jungle Fever."

The "Malcolm X" program is one of dozens of activities to be conducted throughout the 1992-93 academic year that will stress tolerance for cultural, religious and sexual orientation issues.

## DIVERSITY BRIEFS

### Professional Women

A program, "SPEC—Questions and Answers," will be presented at the Nov. 17 meeting of Professional Women at Penn State at 11:45 a.m. in the Frizzell Room of Eisenhower Chapel at University Park.

Panelists will include Thomas Hall, acting manager of salary administration; Robert Maney, manager of employee relations, and Sally Small, assistant director of human resources/CES, CE.

Gregory L. Geoffrey, dean of the Eberly College of Science, and Susan Welch, dean of the College of Liberal Arts, will speak on "Breaking Through the Barriers: Taking Charge of Your Career at Penn State" at the Nov. 24 meeting of Professional Women at Penn State.

The brown-bag-lunch meeting will begin at 11:45 a.m. in the Frizzell Room of Eisenhower Chapel, with an opportunity for informal networking. The deans will begin speaking at 12:10 p.m.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn States.

The group welcomes attendance by both men and women in all job and student classifications at the University.

### Women's Alliance meet

The Women's Alliance, a town-and-gown networking group, will meet at noon on the third Wednesday of each month for lunch at the Canton Restaurant, 222 Calder Way, State College. The next lunch will take place on Nov. 18. Professional women in State College and at Penn State are welcome to attend. No reservation is required.

## Puerto Rican Awareness Week slated for Nov. 16 - 20

The Puerto Rican Student Association has announced plans for a series of presentations for the Fourth Annual Puerto Rican Awareness Week Nov. 16 to 20 at University Park.

"Our goal is to expose the Penn State community to educational opportunities about Latinos/Hispanics regarding education, heritage, culture, history, social concerns and the political status of Puerto Rico," Jennisse Juarbe, Puerto Rican Student Association president, said.

Activities will include:

— Monday, Nov. 16, an inauguration address by Odetta Piniero-Colon, senior diversity planning analyst, 12:30 p.m. in the HUB Fishbowl.

— Tuesday, Nov. 17, an exhibition and sale of Puerto Rican arts, crafts and books from noon to 5 p.m., in the HUB Reading Room. At 5:30 p.m. in the HUB Assembly Room, there will be a presentation titled "Debate on the Political Status of Puerto Rico."

— Wednesday, Nov. 18, at 6:30 p.m. in the HUB Lounge, a presentation titled "Claiming our Puerto Rican Identity, The First Step Towards Multiculturalism," by Emilio Pantojas-Garcia, State

University of New York, University at Albany Department of Latin American and Caribbean Studies chair. At 7:45 p.m., a film presentation titled "Lo Que Le Paso a Santiago" in the HUB Lounge. — Thursday, Nov. 19, from noon to 1:30 p.m., HUB Gallery, a panel presentation titled "Pluralizing the College Curriculum: Alienation or Celebration," by Lydia Ledesma, De Anza Community College dean of intercultural/international studies, and Pantojas-Garcia. At 6 p.m., Ms. Ledesma will make a presentation titled "The Mystique of the Latino Woman," in 301 HUB.

— Friday, (Nov. 20) noon in the Paul Robeson Cultural Center, a presentation titled "Breaking Barriers," by Abraham Amoros, legislative assistant to State Senator Mike Berner and Penn State alumnus. At 1:30 p.m., in 301 HUB, a college fair for visiting Latino/Hispanic high school students; 2:30 p.m., a program titled, "Taste Buds Delight/Entertainment" in the Robeson Cultural Center, and 3:30 p.m., a tour of campus residence halls for visiting Latino/Hispanic high school students.

## DIVERSITY OPPORTUNITIES CALENDAR

Thursday, Nov. 12 through Saturday, Nov. 14

College of Education/Continuing Education, all-day Keller Conference Center. The 18th Annual Research on Women in Education Conference will have theme titled, "Multicultural Perspectives: Education for the Future Stories Our Lives Tell." For more information, contact Jenn Mills at 865-5141.

Friday, Nov. 13

Center for the Performing Arts, noon, Paul Robeson Cultural Center. Lecture and dance demonstration by the Urban Bush Women.

Saturday, Nov. 14

Office of Minority Faculty Development, 9 a.m. to noon, 114K Kern Graduate Building. "The Publishing Process" is the third in a series of faculty development workshops. Harold Cheatham, professor of education and head of the department of counselor education and counseling psychology, will be the speaker. To make reservations, contact Leah Wittig at 865-1663. All junior faculty are welcome to participate.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. African dance performance by the Urban Bush Women. For ticket information, call 863-0255.

Monday, Nov. 16

Puerto Rican Student Association, 12:30 p.m., HUB Fishbowl. Puerto Rican Awareness

Week Inauguration address by Odette Penno-Colon, senior diversity planning analyst.

Tuesday, Nov. 17

Puerto Rican Student Association, noon to 5 p.m., HUB Reading Room. Puerto Rican Awareness Week exhibition and sale of Puerto Rican arts, crafts and books.

Puerto Rican Student Association, 5:30 p.m., HUB Assembly Room. Puerto Rican Awareness Week presentation titled "Debate on the Political Status of Puerto Rico."

Wednesday, Nov. 18

Women's Alliance, noon, Canton Restaurant. Informal discussion and networking. For more information contact Sharon Luck at 865-7138.

Lesbian, Gay, Bisexual Faculty/Staff and Allies, 5:30 to 7 p.m., 110 Henderson Building. First meeting to address improving the University environment for lesbian, gay and bisexuals.

Puerto Rican Student Association, 6:30 to 7:30 p.m., HUB Main Lounge. Puerto Rican Awareness Week presentation titled "Claiming Our Puerto Rican Identity, The First Step Towards Multiculturalism," by Emilio Pantojas-Garcia, State University of New York, University at Albany Department of Latin American and Caribbean Studies chair.

Puerto Rican Student Association, 7:45 p.m.,

HUB Main Lounge. Puerto Rican Awareness Week film presentation titled "Lo Que Le Paso a Santiago."

Center for Women Studies, 8 p.m., HUB Assembly Room. Five Feminist Scholars Lecture Series presentation titled "Women's Health as a Specialty: A Deceptive Solution," by Michelle Harrison, University of Pittsburgh assistant professor of psychiatry.

Thursday, Nov. 19

Puerto Rican Student Association, noon to 1:30 p.m., HUB Art Gallery Lounge. Puerto Rican Awareness Week panel presentation titled "Pluralizing the College Curriculum: Alienation or Celebration," by Lydia Ledesma, De Anza Community College Dean of Intercultural/International Studies, and Emilio Pantojas-Garcia, State University of New York, University at Albany Department of Latin American and Caribbean Studies chair.

Puerto Rican Student Association, 6 to 7 p.m., 301 HUB. Puerto Rican Awareness Week presentation titled "The Mystique of the Latino Woman," Lydia Ledesma, De Anza Community College dean of intercultural/international studies.

School of Communications, 8 p.m., Carnegie Cinema. Presentation titled "Breaking Barriers," by Abraham Amoros, legislative assistant to State Senator Mike Berner and Penn State alumnus.



## FACULTY / STAFF ALERTS

**Great American Smokeout**

On Thursday, Nov. 19, the University will recognize the Great American Smokeout sponsored nationally by the American Cancer Society.

According to Nancy Sassano, coordinator of Faculty/Staff Health Promotion Programs, the smokeout is an annual event that allows smokers, ex-smokers and non-smokers alike to celebrate good health and support those who are trying to stop using tobacco. The American Cancer Society indicates that each year about 10 percent of the nation's smokers quit for the 24 hours.

Activities in observance of the Smokeout are planned for many University locations. At University Park, smokers, ex-smokers and quitters will be able to obtain information, quit kits, and healthy Penn State apples at distribution tables located at the Nittany Lion Inn, Rider Building lobby, and at the Old Main mall on College Avenue.

In addition, there will be a Penn State cold turkey give-away for those participating in the Smokeout. Smokers who turn in their cigarettes, former smokers and non-smokers who sponsor a quitter for the day may enter the drawing at one of the above locations. Student members of the Association for Fitness in Business will be on hand to help with this annual celebration of good health.

For more information, call the Faculty/Staff Health Promotion Office at (814) 865-3055.

**Courses for Faculty and Staff**

The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

□ **Understanding and Valuing Diversity** Incorporates theory and

practical skills designed to increase your awareness of personal values related to minority groups and improve your interactions with culturally diverse individuals, including colleagues in your work area. Meets from 9 a.m. to 4 p.m. Monday, Nov. 16; cost: none.

□ **Americans with Disabilities Act** Introduces participants to the provisions of the Americans with Disabilities Act, which have recently gone into effect. Meets 1:15 to 4:30 p.m. Tuesday, Nov. 17; cost: none.

□ **Creating Change (CQI)** Topics include: identifying strategies for reducing resistance, and planning and preparing for cultural change. Meets from 8:45 to 11:45 a.m. Friday, Nov. 20; cost: none.

□ **Resume Preparation** Learn some tips from someone who reviews resumes daily and knows how you can best present yourself on paper. Meets from 1:30 to 4:15 p.m. Wednesday, Dec. 3; cost: none.

□ **Assertiveness** Participants will learn to distinguish between passive, aggressive, and assertive behavior. Techniques to increase assertive behavior will be examined and practiced in groups in a nonthreatening environment. Meets from 9 a.m. to 4 p.m. Wednesday, Dec. 9; cost: \$55.00.

□ **The One Minute Manager** Learn how to increase staff productivity and morale with three secrets crucial for dealing with any management situation. Cuts through all of the clutter and teaches you how to develop, manage, and value people. Meets from 9 a.m. to 4 p.m. Tuesday, Dec. 15; cost: \$55.00.

□ **Sexual Harassment - Prevention Training** Learn to identify the differences between friendly behavior and subtle sexual harassment in the workplace. Prepare yourself with the knowledge and skill to avoid or disarm a work environment that is sexually hostile. Meets from 2 to 4 p.m. Thursday, Dec. 16; cost: None.

□ **Dealing With "Difficult" People** Learn how to deal with all kinds of difficult people quickly and confidentially. Learn to recognize the categories into which your "difficult people" fall; learn strategies for dealing with each category, and learn to recognize and prevent the development of problem relationships. Meets from 1:15 to 4:30 p.m. Thursday, Dec. 17; cost: \$55.00.

□ **Continuous Improvement Through Empowerment** Improvement focuses on constant improvement and what can be rather than on what has been. Empowerment is the springboard for all organizations committed to improving quality, customer service and productivity. Meets from 9 a.m. to 4 p.m. Friday, Dec. 18; cost: \$55.00.

□ **Defensive Driving - 4** The National Safety Council's Defensive Driving Course is designed to help you save your time, money, and life by showing you how to avoid the needless pain of accidental injury and the needless expense of traffic tickets. Meets from 9 a.m. to noon Tuesday Nov. 10; cost: none.

**Weight Watchers**

A special seven-session series of the Weight Watchers AT WORK program will begin on Wednesday, Nov. 25 — the day before Thanksgiving. This series will be specifically aimed at helping members eat more healthfully through the holidays and start the new year on a positive note. Both new and continuing Weight Watchers members are invited to participate.

The group will meet on Wednesdays from Nov. 25 through Jan. 13, 1993 (except Dec. 30) from noon to 1 p.m. in the auditorium of the Paul Robeson Cultural Center at University Park. The cost of the series is \$63 (cash, check, VISA or MasterCard accepted). A new 10-week spring series will begin on Jan. 20.

Pre-registration is encouraged. For

more information or to obtain a registration form, call the Faculty/Staff Health Promotion Office at 865-3085.

**Withholding on meals**

In prior years, taxable fringe benefit amounts associated with non-overnight travel meals were collected and included on employees' W2 forms for tax reporting purposes, but no withholdings were taken on these amounts. This tax year, in order to comply with IRS regulations, Penn State must withhold FICA (Social Security) and Medicare taxes from these taxable fringe benefits.

In order to facilitate the withholding on these amounts, and have this information reflected on the W2 form, they will be processed through the payroll system. This will be done in November of every year and be reflected on either the last pay in November, for those employees paid bi-weekly, or in November's pay for those employees paid monthly.

For 1992, taxable fringe benefits amounts received from Jan. 1 through Oct. 31 will be included in this process. In subsequent years, the taxable fringe benefits will be accumulated from Nov. 1 through Oct. 31. This method is approved by the IRS, and is referred to as the "Special Accounting Rule for Fringe Benefits Provided" during November and December.

**Tax change**

Effective Jan. 1, 1993, the withholding percentage will increase for Unemployment Compensation Tax (UC Tax) a tenth of a percent from .05% to .15% as directed by the Department of Labor and Industry.

This change will be instituted with the first pay of 1993 for all employees.

**Annual Pitt-Penn State blood drive under way**

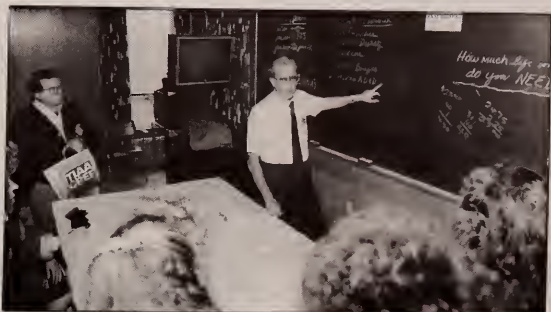
The Centre Communities Chapter of the American Red Cross, with the cooperation of many Penn State groups, is hosting several blood drives at University Park until Nov. 19, to celebrate the tenth anniversary of the Pitt-Penn State Blood Donor Challenge. Over the first nine years of this region-wide event, approximately 50,000 pints of blood have been donated to support the community blood supply through the holidays, traditionally a very difficult time to maintain safe inventories of blood.

Connie Schroeder, Red Cross coordinator at University Park, said that "the total volume of blood we hope to have donated at University Park, about 2,400 pints, amounts to a three-day supply of blood for hospital patients using blood products within the Johnstown region."

While walk-ins to all drives in this event are welcome, appointments help for planning purposes, and may be made for the Kern drive at the GSA office, 865-4211, and for all other drives at the Red Cross, 237-2713.

Following is the drive schedule:

Nov. 12, Findlay; Nov. 13, Simmons, all from 1 to 7 p.m.  
Nov. 16, Kern, 9 to 3 p.m., and HUB 11 a.m. to 5 p.m.; Nov. 17, 18, 19, HUB, 10 a.m. to 4 p.m.

**Benefits open house**

William F. Batchelor, assistant to the director of human resources, discusses employee benefits at a benefits open house held at University Park. An additional open house — designed to address specific questions on benefit options to be effective Jan. 1, 1993 — is being held from 9 a.m. to 5 p.m. today in 301 Ag Administration Building at University Park.

Photo: Greg Grieco

# LECTURES

## Founder of cable system to speak Nov. 24

Robert M. Rosencrans, president of Columbia International, Inc., Greenwich, Conn., will present the second annual Marian B. Gardner Lecture in Cable Television Entrepreneurship to faculty and students in The Smeal College of Business Administration at 10 University Park. He will discuss "Perspectives on the Evolution of Cable TV."

Mr. Rosencrans founded Columbia Cable Systems, a major multiple systems operation (later renamed UA-Columbia). Columbia secured franchises and built major cable systems in New Jersey and Texas. The company grew from 3,00 subscribers in 1982 to 450,000 subscribers at the time of sale in 1981 to Rogers-UA.

After the sale of UA-Columbia and several years

with the acquiring company, Mr. Rosencrans formed Columbia International in 1985 in conjunction with several former executives of UA-Columbia. The new company acquired and developed cable properties in Virginia, Michigan, Nevada, Washington, and Oregon and in early 1992 served 225,000 subscribers.

Columbia made the first capital contribution to create C-SPAN and galvanized industry support for the service. Mr. Rosencrans served as the first Chairman of C-SPAN from 1977-1979 and continues to serve on its Board of Directors.

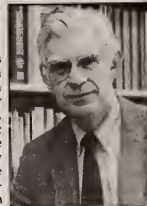
The Marian B. Gardner Lecture was established by George F. Gardner, Carlisle, Pa., in memory of his late wife who worked with him in pioneer cable television activities in Pennsylvania.

# Marker

Continued from Page 1

University, Wisconsin; the Weizmann Institute, Israel; and his alma mater, Wayne State, which also presented him with its Distinguished Alumni Award in 1981.

The Marker Lectures series was established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth control pill.



Frank Ruddle

## Committee named; nominations being accepted and reviewed for honorary degrees

A Committee on Honorary Degrees has been appointed to review nominations for honorary degrees and recommend candidates to President Thomas. The awarding of honorary degrees was approved by the Board of Trustees last May.

Francis Cordova, head, Department of Astronomy and Astrophysics, will chair the committee. Other members are Bernard W. Bell, professor of English; Mary Berard, undergraduate student, finance and international business; Stephanie L. Brown, undergraduate student, science; Carolyn R. Dexter, professor of management and marketing, Penn State Harrisburg; John A. Dutton, dean, College of Earth and Mineral Sciences; Andrew M. Essig, graduate student, political science.

Randall M. German, Brush Chair in Materials; Carol Herrmann, vice president for administration; Roberta Kevelson, distinguished professor of philosophy; Robert Klein, Class of 1948 and past president of the Penn State Alumni Council; William S. Pierce, Evan Pugh professor of surgery; David A. Shirley, senior vice president for research and dean of the Graduate School; and Susan Welch, dean, College of the Liberal Arts.

Faculty members may make nominations for honorary degrees through their colleges or campuses. The deans' offices and the campus executive officers have information about the procedure. Nominations of persons with wide name recognition, whose accomplishments are well known to the general public, may include simply a letter of nomination and a brief biography. Nominations of this type may be sent directly to the Chair, Committee on Honorary Degrees, 201 Old Main. For further information, call Del Sweeney, 865-2505.

## Distinguished Lectures in the College of Education Stanford director is fourth to lecture

Henry M. Levin, David Jacks professor of higher education and director of the Center for Educational Research at Stanford University, will speak on "Accelerated Schools for All Students" at 6:30 p.m. Monday, Nov. 16, in 112 Chambers at University Park as the fourth in a series of Distinguished Lecturers in the College of Education.



Henry M. Levin

Dr. Levin's discussion will address the notion of creating a movement to bring all students into the educational mainstream by establishing schools based on gifted and talented student practices. His recent work focuses on the establishment of accelerated schools to address the needs of disadvantaged students. These schools are designed to accelerate the learning of students by the end of elementary school.

He received his Ph.D. in economics from Rutgers University in 1966. He has served on the faculty and research staffs of Rutgers and New York universities and was a Fellow at the Center for Advanced Studies in Behavioral Sciences. He is a past-president of the Evaluation Research Society and a winner of its Myrdal Prize.

Dr. Levin served as a member and president of the Palo Alto School Board and was a Fulbright Professor at the University of Barcelona in 1989 and a Distinguished Visiting Professor at the University of Beijing in 1988. He is editor of the Review of Educational Research.

A specialist in the economics of education and human resources, Dr. Levin has focused his work specifically on cost-effectiveness, educational finance, educational requirements of high technologies and investment strategies for educationally at-risk students. He has published 11 books and about 200 articles.

to Fuchsian groups that assumes only a basic knowledge of rural and complex analysis and abstract algebra. It then leads the reader into a more detailed discussion of the specific types of groups (geometrically finite, compact, of the first kind and finitely generated), proving the relevant theorems along the way.

In the final chapter, Dr. Katok develops the theory of arithmetic Fuchsian groups and presents the somewhat specialized topic in a manner suitable for the nonspecialist.

The book, which includes examples and exercises at the end of each chapter to further illustrate important concepts and theorems, will be useful for researchers and graduate students alike in a broad range of mathematical areas as well as for those in physics.

Richard Kopley, associate professor of English at the Penn State DuBois Campus, is the editor of *Poe's Pym: Critical Explorations*, (Duke University Press).

The volume contains sixteen essays drawn from the Penn State-sponsored conference that Dr. Kopley organized, "Arthur Gordon Pym and Contemporary Criticism" (Nantucket Island, May 1988). It offers a variety of critical approaches to

Edgar Allan Poe's nautical novel *The Narrative of Arthur Gordon Pym*—approaches ranging from source study to psychoanalytic criticism, from deconstruction to new historicism.

Contributors to the volume are John Barth, Susan F. Beegel, J. Lasley Dameron, Grace Farrell, Alexander Hammond, David H. Hirsch, John T. Irwin, J. Gerald Kenner, David Ketterer, Joan Tyler Mead, Joseph J. Moldenhauer, Carol Peirce, Burton R. Pollin, Alexander G. Rose III, John Carlos Rowe, G. R. Thompson, and Bruce I. Weiner. The book is dedicated to the memory of Philip Young, former Evan Pugh Professor of English at Penn State.

Dr. Kopley also is the author of a short monograph, *Edgar Allen Poe and The Philadelphia Saturday News* (Pratt Library and Poe Society), which reveals the newspaper origins of the first modern detective story, "The Murders in the Rue Morgue." And he has written a children's book of Poe's poetry, *The Raven and Other Poems* (Scholastic, 1992).

Del Sweeney, special assistant to the executive vice president and provost, is co-editor of the second edition of *Poison*

*Descriptions in Special Libraries*, published by the Special Libraries Association. The book contains 90 descriptions of positions in 34 special libraries, including academic, biotechnology, communications, engineering, industrial, and medical and pharmaceutical libraries.

In the for-profit sector, in particular, current job descriptions emphasize the functions of the information center that assist the company to be competitive by providing information on the competitor's businesses, compiling market data, improving the quality of information, and containing costs.

In larger libraries, head librarians and managers of information centers are devoting a significant proportion of their time to planning and managerial activities. In these centers, librarians also are performing less traditional functions such as conducting research, editing publications, and developing and implementing technical systems and in-house databases.

The book includes a "Guide to Writing Job Descriptions" by Muriel Regan, a past president of the Special Libraries Association.

# B O O K



# S H E L F

Svetlana Katok, associate professor of mathematics, is the author of *Fuchsian Groups*, published by the University of Chicago Press.

The book is based on a graduate course Dr. Katok taught at the California Institute of Technology and the University of California at Santa Cruz. It provides an overview of the theory of Fuchsian groups—discrete groups of isometries of the hyperbolic plane that have applications in such areas as differential geometry, number theory, Lie theory and representation theory.

The book begins with an introduction

# Libraries at Penn State entering brightest period in decades

The recent announcement by Gov. Robert P. Casey to release \$14.8 million for the construction of an addition to Pattee Library is the capstone of a series of initiatives which will usher the libraries at Penn State into a new age.

"We are in the midst of a critical period of major expansion for the libraries which support Penn State faculty and students," said President Joab Thomas. "Across the state we have targeted

projects in recent years which are at the very heart of the institution."

Among the initiatives recently completed or about to get under way are:

- ◆ The Hershey Medical Center in recent months opened a major addition to the George T. Harrell Library — expanding the facility by 62 percent. New student study spaces and an expanded computer learning center were included in the \$2.1 million construction project. The medical library now occupies 32,500 square feet.

- ◆ Penn State Schuylkill completed a fund-raising effort in 1990 which generated more than \$1 million for the proposed Ciletti Library. In Gov. Casey's recent announcement of state funding for higher education building projects, he included \$1.6 million which will match the funds already raised for the Ciletti Library. Groundbreaking for this \$2.6 million library is expected to begin next spring. The facility will include bookstacks, reading rooms, study areas, offices, special classrooms, seminar rooms, support space and a learning center.

- ◆ Penn State Behrend has a \$12 million library/academic building under construction which should open its doors during the spring semester. In addition to the library, the new building will house classrooms, offices and an instructional communications center.

Even before the recent announcement by Gov. Casey of the release of \$14.8 million for the expansion of Pattee Library at University Park, a study was under way to consider the feasibility of a fund-raising campaign to help construct the new facility.

Some funds have already been identified for the project, including a gift of \$250,000 by football coach Joe Paterno and his wife, Sue, and a gift of \$500,000 from the Alumni Association. Another \$1 million was generated by the partnership signed earlier in the year with Pepsi.

"There has been tremendous activity in recent years to boost support for the libraries of Penn State," President Thomas said. "Some of these efforts, such as at the Hershey Medical Center, have already come to fruition. Other library buildings will be opening their doors to students and faculty for the first time in the coming months.

"We must continue this progress if Penn State is



This photo of the approximately \$11 million library/academic building under construction at Penn State Erie, The Behrend College, was taken in June. Since then, the roof has been installed and the front of the structure is bricked. The arched steel supports shown in this photo are covered, but the all-glass wall that will grace the building has not been installed. Completion of the brick and glass work is expected later this month.

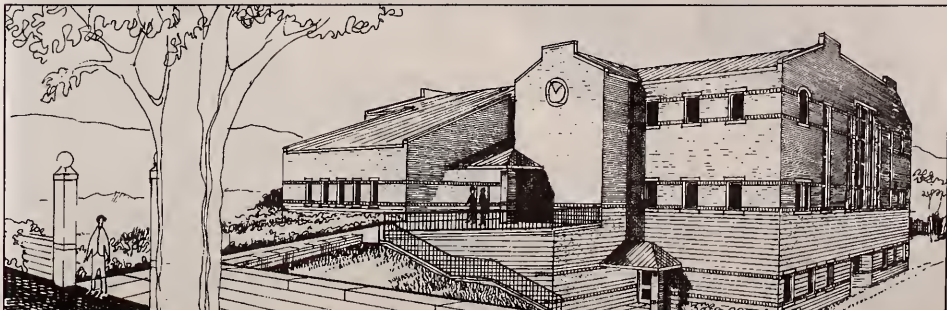


Pattee Library at University Park will be expanded in the future, with the help of \$14.8 million recently released by the state.

to remain one of the premiere public universities in the nation."

With that in mind, the University currently has a proposal before the General Assembly seeking state support for a new library at Penn State Harrisburg.

"There may be no single time in the University's history when so much attention is being paid to the institution's libraries," Dr. Thomas said. "In 1989-90, Penn State ranked fourth in library expenditures among public universities in the Big Ten. We are determined to have Penn State continue showing leadership in these efforts. Despite a difficult economic situation in the nation and the state, gains can and must be made."



An artist's rendering of the proposed Ciletti Library on the Penn State Schuylkill Campus. Groundbreaking for this project is scheduled to begin next spring.

### Chamber Singers

The Penn State Chamber Singers will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will feature selections from the group's fall concert repertoire as well as from its annual Celebration of Love concert to be held in the rotunda of Old Main in February 1993.

Under the direction of Douglas Miller of the School of Music faculty, the Chamber Singers are drawn from the Penn State Concert Choir.

### Odyssey on WPSU

"A Grain of Actuality Begins the Program," the next episode in the Odyssey Through Literature radio series, focuses on the poetry of John Balaban, former professor of English at Penn State and now director of the writing program at the University of Miami.

Beginning with his translations of Cao Dao, the traditional Vietnamese oral poetry, Professor Balaban and host Leonard Rubinstein discuss poetry as "a record of a system of beliefs."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Holiday ornament sale

The Friends of the Palmer Museum of Art will present the 1992 Holiday Ornament Exhibition and Sale from 3 to 5 p.m. Sunday, Nov. 22, in the Fireside Room and former lobby of the Nittany Lion Inn at University Park.

Jerry Jackson, fine metal designer and craftsman, was commissioned to design the 1992 commemorative ornament. Based on the prized 17th-century wood sculpture of St. Florian in the Museum's permanent collection, the commemorative ornament is cast in pewter.

Members of the Friends and their guests will have the opportunity to purchase Jackson's 1992 Commemorative Ornament, as well as ornaments by other renowned artists and craftsmen. They also will have the opportunity to jury the selection of the artist to be commissioned for the 1993 commemorative ornament.

Tickets for the 1992 Holiday Ornament Exhibition and Sale are \$25

for members of the Friends of the Palmer Museum of Art, \$30 for non-members. For ticket information, call the Museum office Monday through Friday, 9 a.m. to 4 p.m., at (814) 865-7672. The deadline for ticket reservations is Saturday, Nov. 14. A limited number of tickets will be available at the door.

Proceeds from the sale will benefit the Palmer Museum of Art.

### Poetry reading

Pulitzer prize-winning poet and historian Peter Viereck will be in residence at University Park Nov. 13 and 14. He will give a reading of his poetry at 7:30 p.m. Friday, Nov. 13, in 101 Kern Building. The reading will be followed by a discussion.

Professor Viereck's residency also will feature the first performance of Bruce Trinkley's musical settings of Viereck's poems, "Five Choral Dances," at 8 p.m. Saturday, Nov. 14, in the School of Music Recital Hall. Mr. Trinkley is a composer on the faculty of the School of Music and has written numerous works for choral ensembles as well as dance and theater pieces.

The work will be performed by the Penn State University Concert Choir, under the direction of D. Douglas Miller, professor of music. The concert of American choral repertoire also will include works by William Billings, Charles Ives, Samuel Barber, Ulysses Kay, H.T. Burleigh and Randall Thompson. Tickets are required.

Professor Viereck, who has taught Russian and European history at Mount Holyoke College since 1948, won the 1949 Pulitzer Prize for his collection of poems titled *Terror and Decorum*. The only American scholar to have received Guggenheim fellowships in both poetry and history, he is internationally recognized for his achievements as an historian, poet, dramatist and political philosopher.

His institute is co-sponsored by the Institute for the Arts and Humanistic Studies, the School of Music and the Department of English.

### Women's Chorus

The Penn State Women's Chorus will present a fall concert at 4 p.m. Sunday, Nov. 15, in the School of Music Recital Hall at University Park.

Under the direction of Lynn Draffal, assistant professor of music, and Elizabeth Tilghman, part-time instructor, the chorus will perform works by Lasso, Vivaldi, Schumann, Copland and contemporary American composer Emma Lou Diemer.

Also performing will be the Keynotes, a chamber choir of 20 women. They will perform works by Hassler, Saint-Saens and Britten.

The concert is free to the public.

### Pennsylvania Quintet

The Pennsylvania Quintet will perform in concert at 8 p.m. Wednesday, Nov. 18, in the School of Music Recital Hall at University Park. Also performing will be guest artist Janice Wilson.

The program will include an arrangement by bassoonist Daryl Durran of Haydn's Quintet in D major, Hob. X:2, Gunther Schuller's Suite and Ferenc Farkas' "Regi Magyar Tanocok." Ms. Wilson will be featured in a performance of R. Murray Schafer's "Minnelieder," subtitled "Love Songs from the Medieval German for Mezzo-soprano and Wind Quintet."

The Pennsylvania Quintet is the resident faculty wind ensemble. Members are Eleanor Duncan Armstrong, flute; Barry Kroeker, oboe; Smith Toulson, clarinet; Lisa O. Bontrager, horn, and Darryl Durran, bassoon.

Ms. Wilson is a recitalist, oratorio soloist and frequent performer with orchestras across the state in addition to her duties as general manager of the Altoona Symphony Orchestra. She holds degrees in music from Westminster College, Penn State and a certificate of achievement from the Royal College, London, England.

The concert is free to the public.

### Colloquy program

The true-life hero of the movie, "The Silence of the Lambs," Robert Ressler, the FBI criminologist who coined the phrase "serial killer," will speak at 8 p.m. Thursday, Nov. 19, in 10 Sparks Building at University Park.

Mr. Ressler's expertise in psychological profiling is generally sought after by law enforcement officials seeking clues to thousands of unsolved crimes. He has served as an expert witness at the trials of notorious murderers Jeffrey Dahmer, John Wayne Gacy, Charles Manson and others.

Founder and director of the FBI's elite Violent Criminal Apprehension Program, he left the FBI in 1990 at age 53 to establish a private consultancy, Forensic Behavioral Services in Spotsylvania, Va. He is author of *Whoever Fights Monsters: Sexual Homicides & Serial Killers*.

The presentation, which is sponsored by Colloquy and free to the public, will be followed by a screening of "Silence of the Lambs."

### Cello recital

Kim Cook, assistant professor of music, will present a solo cello recital at 8 p.m. Thursday, Nov. 19, in the School of Music Recital Hall at University Park.

Ms. Cook will be joined by pianist Marylene Dosse to perform works by Debussy, Schumann, Popper, and Dvorak. The concert also will feature debut performance of the Penn State Cello Choir in an arrangement of the Canon by Pachelbel.

Recently appointed to the faculty

of the School of Music, Ms. Cook has been acclaimed by critics for the "electricity" and "sensitivity" of her performances as well as for her technique. She holds a master's of music degree from Yale University, where she also received the Maxwell Belding Award for performance.

Ms. Dosse has won international prizes in both Naples and Salzburg, and has performed extensively in Europe, South America, Mexico, North Africa and the United States.

The Penn State Cello Choir was formed this year under Ms. Cook's direction.

### Masks exhibit

Enter the Formal Gallery at the Hetzel Union Building at University Park and prepare to laugh and be amazed at Kathleen Jacobsen Frank's colorful, daring exhibit "Masks and Transformations."

With paint, ink, fabric, paper, metal, other mixed media as well as "found" objects, the artist presents a series of female landscapes full of humor and ecological intrigue.

Last spring, Ms. Frank received her M.A. in print-making from Penn State, and this exhibit is the complete body of her master's work—two years of mask making. Her thesis was on the mask and ascertaining whether the use of the mask makes sense in modern times.

"I studied ancient masks like the Cachina mask and those of the Zumi and Hopi—masks that were primarily made in the image of a god," she said. "I examined the masks in person behind the mask and how persons wearing a mask feel that power and lose themselves."

"I looked to capture this transformation in the body of my work by creating contemporary goddesses. In designing the exhibit, I wanted to include prints and elements of the masks on the walls to help people understand the mask and the print-making process."

Her exhibit runs through Dec. 9. Hours are noon to 8 p.m. Tuesday through Thursday; noon to 4 p.m. Fridays and Saturdays. The gallery is closed Mondays and Sundays.

### Scopes on WPSU

M. Carme Calderer, associate professor of mathematics, will be the featured guest on the Nov. 19 segment of the WPSU radio program, "Scopes: Women and Minorities in the Sciences at Penn State." Linda Maxson, professor and head of the Department of Biology, will be featured on the Nov. 26 segment.

The half-hour program will air at 12:30 p.m. following a companion program, produced at the University of Minnesota and distributed by National Public Radio, titled "Science Lives: Women and Minorities in the Sciences," which will begin at noon. The topic of the companion National Public Radio program on Nov. 19 is "Critical Masses," an interview with a physicist. On Nov. 26 an interview with a biologist is titled "A Mover and a Shaker."

See "Arts" on Page 10



Kim Cook

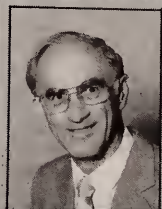
# INTERNATIONAL PROGRAMS

"As a land grant institution, Penn State has a basic obligation to serve the society of which it is a part. To accomplish that in the context of the modern world, it is incumbent upon the University to foster "appreciation of a multi-cultural human society" and to promote "greater involvement with our increasingly interdependent world," as articulated in the University's Mission Statement. The mission of the University Office of International Programs is to support that effort by enhancing multicultural sensitivity and promoting international involvement among its faculty, staff and students, and ultimately in the society at large."

—Mission Statement of the University Office of International Programs

## A message from W. LaMarr Kopp Working to be the best

Name any major problem confronting our country today - drugs, crime, international



conflict, hunger - and most likely it is one that must be solved in cooperation with other nations. One can hardly think of a problem facing the U.S. that can be solved by us alone. The United States was once the undisputed center of the world, and

we are still an important leader, but our superiority in almost every area is being challenged more intensely today than ever before. The United States, like other nations of the world, is interdependent and codependent with other nations in business and in other areas of life.

It is incumbent upon the University not only to educate and train its students, but to help them recognize that the world today is radically different from the way it was only a generation ago. We must prepare our students for a future shaped not only by our own country, but also by nations other than our own. Not doing so is to cheat them out of reality.

As the University's central representative in the international arena, The University Office of International Programs takes that responsibility very seriously. By working with the academic seriously. Through the combined efforts of the Office of International Programs, the Office of International Cooperative Programs, and the Office of International Students, the UOIP works to ensure an international dimension to the University's three major functions of teaching, research, and public service.

International programs are flourishing in all colleges and most disciplines, as evidenced by this special supplement. The following highlights only a small sample of the University's ongoing initiatives and cannot do justice to the totality of Penn State's international involvement.

You will read in these pages about the University-wide strategic plan for international programs, now being developed by the International Council. We're confident that the plan will provide a unified approach to international programs that will ensure Penn State's status as a truly world-class institution far into the future. Penn State students may not have the world at their feet, but it is on their doorstep... the door is open...

*W. LaMarr Kopp*

deputy vice president for International Programs

## International Council works on long-term plan for the University

Regun by a mandate from President Bryce Jordan in 1984, the International Council advises the University's senior administration on international matters and serves as liaison between the University Office of International Programs and the Office of the President. Its members represent major units of the University, including the colleges and schools, the Commonwealth Educational System, the Division of Continuing Education, the University Libraries, the Graduate Schools, the Graduate Students Association, the Undergraduate Student Government, and the International Student Council.

The Council's major accomplishments to date include the development of an international policy statement for the University, guidelines for the Education Abroad Programs, and for establishing institutional linkages with foreign universities.

The primary long-term goal of the Council is to produce a University-wide strategic plan for international programs. The first steps in the production of the plan have been initiated under the leadership of council chair Joseph S.

DiGregorio, associate dean for Commonwealth and Continuing Education and International Programs in the College of Engineering.

The plan is intended to coordinate international activities among all academic and administrative units and comprises five main goals: to provide an international experience for at least 20 percent of the undergraduate population; to increase international activities for graduate students and faculty; to internationalize the curriculum; to include international activities in faculty promotion and tenure considerations; and to improve the climate for all international faculty, students and staff at Penn State.

The council also will discuss the possibility of the University selecting a few major academic institutions worldwide for long-term comprehensive relationships.

Committees have been assigned to address each goal within the strategic plan, and Dr. DiGregorio hopes to have detailed plans for implementation completed by the end of this academic year.

## Education Abroad: Three decades of expanding the horizons of Penn Staters

For thirty years, the Office of Education Abroad Programs (OEAP) has been enabling students to enrich their on-campus

academic experiences in other cultures. The University's education abroad program began in 1962 with student exchanges between Penn State and the Universities of Cologne, Germany, and Strasbourg, France.

Since then, the program has expanded to include study in less traditional destinations, such as Israel, Costa Rica, and Kenya. In fact, the OEAP now offers 60 summer, semester and full-year programs on every continent except Antarctica. To date, more than 8,000 Penn Staters have studied abroad through the OEAP, and nearly 600 more will take part during the 1992-93 academic year.

### Programs stress academics

"Our education abroad programs are academic programs first and foremost," says Michael Laubscher, OEAP director. While studying abroad, students may choose between English-language courses taught in regular classes for Penn State students or direct enrollment in tutorial modes alongside students at the host institution, for total cultural immersion. All programs are directly accredited by Penn State academic departments, and through cooperation with a University-wide faculty network, the office maintains Penn State's academic standards throughout the world. Periodic site visits by faculty further ensure consistent quality.

No matter what a student's college or specialization, education abroad programs can fulfill major, minor, elective, or General Education requirements. Semester and full-year programs also fulfill the University's cultural diversity requirement. Such curricular integration means that an education

abroad experience need not lengthen a student's undergraduate stay.

Traditionally strong in the humanities, social sciences, and languages, Penn State's education abroad programs are expanding to encompass professional disciplines as well. Study abroad is now required for all international business and architecture majors. Pre-professional programs, such as architectural, civil, and electrical engineering in Leeds, England; business in Tokyo, Japan; and economics in Warsaw, Poland, help prepare students for careers in an increasingly global marketplace.

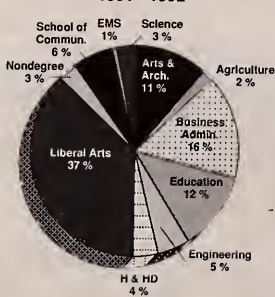
### Minority opportunities, new perspectives

For several years, the OEAP has been working in cooperation with the multicultural resource center to recruit minority students for study abroad. The office also administers EOPEC-funded scholarships, and in 1991-92 awarded 25 such scholarships to minority students.

Education abroad also offers a unique opportunity for non-minority students to see their country, and themselves, from a different perspective. While studying in Africa, for example, a white student may learn for the first time what it feels like to be recognized as a minority, and gain new insights into minority-majority relationships.

"It's enriching for students to step out of their culture and into another one," says Margot Groff, OEAP assistant director for support services. "They only learn about another culture up close, but view their own culture at a distance. Their vision is widened, and their view of themselves is changed. It's a real revelation."

### ENROLLMENT BY ACADEMIC AREA 1991 - 1992



## Strategic planning ...

As part of the University-wide strategic plan for international programs, the International Council has set a number of goals.



**GOAL: Increase international opportunities for faculty and graduate students.**

"The immediate plan is to assess the current level of international activities for graduate students and faculty and to identify strategies to take us beyond where we are now. Clearly, the increase in international activities for faculty is a critical objective. It seems to me that we can't have an agenda for our undergraduate population without addressing the role of those who teach them. Faculty members who have international experiences return to the classroom with a different frame of reference. The experience of one faculty member can infuse an entire classroom, and in some cases, an entire campus, with an international perspective."

—Salvatore Meringolo  
assistant dean and head of collections and references service for Pattee Library, and chair  
of the International Cooperative Programs Advisory Committee



**GOAL: Provide an international experience for at least 20 percent of each undergraduate graduating class.**

"Certainly, we need to answer some important questions first, such as what constitutes an 'international experience'? I think our focus will probably be on education abroad programs, but certainly, one wants to consider other options. Inasmuch as education abroad involves exchanges, which bring international students to Penn State from around the world, education abroad programs would help to internationalize the experience of all students at the University, not only those who study abroad.

"Other issues that must be considered include the cost of such a plan, financial barriers to participation, and financial aid possibilities. We must also set the target date; without that, it's impossible to determine whether or not the goal is achievable. I do, however, believe that a 20 percent goal is a step in the right direction. My feeling is that eventually, the goal must be 100 percent."

—George Heilmann, professor of management science and director of international programs within  
The Small College of Business Administration, and chair of the Education Abroad Advisory Committee.

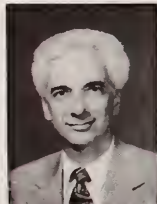


**GOAL: Improve the climate for all international faculty, students and staff.**

"Our goal is to enhance an already hospitable climate; it's not that it's broken and needs to be fixed. The consensus of the committee is that we need to hear from as large an international constituency as possible in order to determine our course. We need to learn through the eyes of international leaders what will make this a more receptive climate for internationals.

"We recognize that the climate for internationals is really the climate for us all. Our community is enriched by the presence of nationals from other countries who contribute to our understanding of the world in which we live. The richness and diversity provided by the international presence at Penn State helps to prepare our students for the world across the street, and across the ocean."

—Horst von Dorposki  
assistant to the dean, College of Education,  
and chair of the International Students Advisory Committee



**GOAL: Include international activities in faculty promotion and tenure considerations.**

"Penn State faculty are encouraged to participate in many activities, such as Continuing Education and international programs, that bring recognition and visibility to themselves, their colleges, and the University. Frequently, however, faculty fear that the time spent in such activities is not given proper recognition by promotion and tenure review committees; they feel a disincentive to participate in such programs. It is our goal to ensure that international activities are a recognized part of the faculty reward system at Penn State."

—Joseph DiGregorio  
associate dean for Commonwealth and Continuing Education and International Programs in the  
College of Engineering, and chair of the International Council



**GOAL: Internationalize Penn State's undergraduate curriculum.**

"Changes and opportunities of the 1990s and the 21st century will require our learning to live, work and play in a global society. Much like the explosion of the information industries, this global dimension in our lives will require creative solutions to make certain that all members of our community will be able to experience many new cultures. To that end, our committee will look at ways to enhance curriculum content for the preparation of world citizens."

—Sara Parks  
associate dean for the Commonwealth Educational System and International Programs,  
College of Health and Human Development,  
and chair, Ad Hoc Committee on Internationalizing the Curriculum

## Bringing the world's best to Penn State

Penn State employs approximately 750 foreign nationals annually for an average stay of between one semester and a full academic year. At present, top faculty from more than 60 countries are teaching and researching at Penn State. Traditionally, most have come from Asian countries, although recent years have seen a dramatic increase in the number of visiting faculty from the former Soviet Union and other Eastern European nations.

"Employing international faculty helps us add to both the culture and the talent within the University community," says Rosalie Bloom-Brooks, records and procedures division manager, Office of Human Resources, and coordinator of Penn State's Foreign National Employment Services Program. "It also opens doors for foreign nationals to conduct research they would be unable to do in their home countries for lack of resources. In terms of fulfilling the University's charge, such relationships are very important."

## Maintaining a University presence overseas

Approximately 3,200 people around the globe proudly count themselves among Penn State's international Alumni body. Many of them are part of Penn State's network of 57 alumni clubs and outposts in 45 countries worldwide. These clubs and outposts give Penn State a presence overseas and provide several important services for the University, including assisting alumni with job placement overseas, advising the University of possible projects or linkages with institutions abroad, providing key contacts for visiting University faculty, staff and students, and recruiting prospective students. Club members in Thailand, Hong Kong, Indonesia, and Korea, for example, have all represented Penn State in recent years at university fairs sponsored by the Institute of International Education.

## Hospitality Council welcomes internationals

The Community International Hospitality Council (CIHC) has been making international visitors feel welcome in the Penn State community for more than thirty years. A United Way agency, the council operates out of office space donated by the Office of International Programs in Boucke Building, providing support services and opportunities for intercultural exchange to the thousands of foreign nationals who make their way to University Park every year. Council services are available to all local internationals and are not limited to Penn State students.

With one part-time program coordinator and a corps of volunteers, the council develops programs and coordinates services offered by local agencies. Council-coordinated activities include survival English classes, an international women's group, an international speaker's bureau, homemaking classes, welcome receptions and social events. They also coordinate the International Friendship Program, which last year paired 90 foreign visitors with local residents for friendship and intercultural exchange on a one-to-one basis. A tax assistance program instituted last February helped more than 350 people from 55 countries to complete their tax returns.

The council is currently at work on a newsletter to help keep program participants informed about council activities.

"The most important thing we do is make international visitors feel comfortable in their new environment," says administrative program coordinator Mary Boyer.

# MUCIA provides a world of new opportunities for Penn State

Efforts to internationalize the Penn State community received a boost last March when the University joined the Midwest Universities Consortium for International Activities, Inc. (MUCIA). Penn State is the ninth institution to join this consortium of Big Ten schools, which formed in 1964 to undertake international human resource development and institution-building projects.

"For Penn State as an institution, the benefit of MUCIA is that it enables us to participate in major, multimillion dollar projects which we would not be able to take on alone," says Tannaz Rahman, director of International Cooperative Programs and Penn State's MUCIA liaison officer. "This multiplies overseas opportunities for our faculty."

Current projects include the

Indonesia/World Bank Technical Assistance and Academic Support

ulty to acquire overseas experience by teaching an American-style undergraduate

**"MUCIA ... enables us to participate in major, multimillion dollar projects which we would not be able to take on alone."**

Tannaz Rahman

director of International Cooperative Programs and MUCIA liaison

Project for professional human resource development, a worldwide environmental and natural resources policy and training project, and an agricultural policy analysis project in Egypt.

The ITM/MUCIA cooperative program in Malaysia allows Penn State fac-

ulty program at Indiana University's Shih Alam campus in Malaysia.

Experience gained by faculty through such involvement inevitably benefits Penn State students as well, according to W. LaMar Kopp, deputy vice president for international pro-

grams: "You can't expect a faculty member who has never been overseas to internationalize the classroom experience for his or her students," says Dr. Kopp. "MUCIA is one mechanism for providing faculty with in-depth experience teaching, living and surviving in another country."

MUCIA also makes modest funds available to its member institutions for international travel by faculty.

Penn State students benefit directly from the University's membership in MUCIA through three-month internships for graduates and undergraduates to work on international development, nutrition, health and educational projects at agencies in and around Washington, D.C.

## Fulbright Scholarships offer a life-changing experience

Through the Fulbright Program, the U.S. Government's premier scholarship program, Penn State faculty and students have the opportunity to benefit from unique resources in every corner of the globe and gain international competence in an increasingly interdependent world. "It's a life-changing experience," says Mary Gage, Fulbright Program advisor within the University Office of International Programs. Her office promotes and facilitates faculty and student applications for Fulbright awards.

Penn State has long ranked among the top 10 universities nationwide in the number of faculty members selected as Fulbright Scholars. Currently, there are more than 150 past and present Fulbright scholars on the Penn State faculty.

The U.S. student Fulbright program gives graduating seniors, master's and doctoral candidates, and young professionals and artists opportunities for personal development and international experience. Grantees plan their own programs, which may include university course work, independent library or field research or special projects.

"It's important to realize that for faculty, the success rate is roughly one for every three applicants worldwide. For students, the ratio is one in six—it's not pie in the sky," says Ms. Gage. This year, Penn State boasted an above-average student success rate of nine grants out of sixteen applications.

"It would be nice if every faculty member going on sabbatical and every predoctoral student working on a thesis would consider applying for a Fulbright," says Ms. Gage.

The Fulbright program also benefits visiting scholars to Penn State. At present there are five such scholars in a variety of disciplines. "It's amazing the richness that comes to campus through the program," says Ms. Gage.

In order to bring together Fulbright alumni for social and professional exchanges, Ms. Gage's office recently has instituted a local chapter of the Fulbright Association on Oct. 1. Membership is open to all faculty and students who have received Fulbright awards.

Helping junior faculty and students prepare to lead a nation

## SHARE links Penn State to South Africa

Penn State's SHARE fellowships and scholarships help prepare South Africans disadvantaged by Apartheid to lead a new South Africa. The SHARE program feeds into the South African Education Program, a national effort begun in 1979.

Penn State supports several Black South African students each year through SHARE scholarships.

Since 1985, SHARE scholars have established 29 South African students to complete undergraduate, master's and doctoral programs at Penn State.

"By the end of this year," says Pamela Bona, foreign student adviser. "We will have produced three Ph.D.s in areas that are traditionally poor in the educational systems that these students have access to back home. One of those doctoral students went on to become the first black faculty member in the department of mathematics at the University of Capetown."

In addition to the scholarships, Penn State offers two one-semester SHARE faculty fellowships each year. Fellowships are awarded to faculty from the University of the Witwatersrand, the University of Cape Town, and the University of the Western Cape on a rotational basis. Fellows may pursue whatever objectives they and their home institutions have determined appropriate. Penn State provides the assistance of faculty mentors who are released one-quarter time to help the Fellows achieve their goals. Ten South African faculty members have benefited from SHARE Fellowships since the program was founded.

"This is one of our most effective means to integrate an intercultural perspective into the life of academic departments," says Tannaz Rahman, director of the Office of International Cooperative Programs, and SHARE faculty fellowship coordinator.

## A global perspective begins with faculty

From Argentina to Zimbabwe, in everything from astrophysics to statistical ecology, the Office of International Cooperative Programs (OICP) provides opportunities

for Penn State faculty, staff and students to internationalize their perspective, and in turn, enhance the cultural diversity of the entire university.

The OICP supports and coordinates international initiatives undertaken by Penn State's academic and administrative units. It internationalizes faculty and staff through interaction with their counterparts abroad and through the establishment of interdisciplinary cooperative programs with overseas institutions. It fosters the development of research, teaching, and exchange opportunities by supporting international travel for scholarly purposes, promoting international activities on campus, and providing modest financial incentives leading to external funding.

The office also actively promotes a global perspective

in the curriculum and disseminates information regarding international education and services to interested parties at Penn State and beyond.

At present, the OICP oversees more than 100 cooperative programs with academic and

research institutions in 52 countries. The areas of greatest cooperation are the continent of Africa, with 19 programs in fourteen countries; Germany; the People's Republic of China, and the former Soviet Union. The Office of International

Cooperative Programs is primarily a service unit to the entire faculty body at Penn State," says Tannaz Rahman, OICP director. "We believe that by internationalizing the perspective of our faculty, we can broaden the perspective of many more students than if we tried to reach every single student directly. And we believe—profoundly—in the intrinsic value of a global perspective at all levels."

*"Of ourselves, so long as we know only ourselves, we know nothing."*

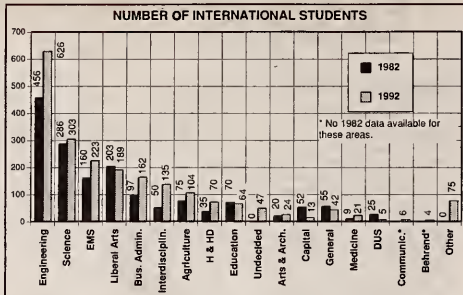
— Woodrow Wilson

## At Penn State . . .

More than two thousand international students from more than 110 countries contribute to the rich fabric of Penn State. Getting those students into the country and on to the campuses, and helping them to achieve their academic and personal goals once they've arrived, is the job of the Office of International Students.

The office handles immigration matters and financial eligibility for admission, acts as a liaison with sponsoring agencies, provides academic and adjustment counseling, and offers a number of specialized services. As an advocate for the unique concerns of the University's international community, OIS works extensively with a variety of University and community agencies. In addition, the office helps to coordinate the activities of more than 20 nationality clubs.

Penn State ranks 32nd among U.S. universities in international student enrollment, according to OIS director Jim Lynch. The University's international population is made up overwhelmingly of graduate students and is becoming more so; undergraduates account for only 10 percent of the international population, down from 26 percent a decade ago. During the same period, the percentage of Asian students has increased dramatically, says Mr. Lynch. Taiwan is the No. 1 country-of-origin of international students at Penn State, followed by China, India, Korea, and Japan. Asia as a whole accounts for 68 percent of Penn State's international student population, compared with 59 percent of the international student population nationwide. Europe ranks a distant second, accounting for 12 percent of Penn State's international enrollment. The Middle East ranks third, at 7 percent.



## Faculty foster development around the world

### College of Agricultural Sciences takes advantage of opportunities

Over the years, it's estimated that about 50 percent of the college's faculty members have worked in 80 nations on one or more professional international assignments.

Currently, the College of Agricultural Sciences is involved in a number of long-term, externally-funded projects in countries around the globe, including Kenya, Swaziland, Egypt, Mexico, Sri Lanka, Zimbabwe, and throughout Eastern Europe.

The dramatic changes in Eastern Europe and the former Soviet Union in recent years have opened the doors to a wealth of opportunities for Penn State and its partners overseas. A Centre for Ukrainian Agriculture at Penn State recently was established to facilitate collaborative programs and exchanges between Penn State and the Ukrainian Agricultural Academy near Kiev.

The college also has developed and delivered a farm management training program to nine Latvian and eight Lithuanian visitors and is now deeply involved in Poland, working to help high school-aged Poles understand the concepts of private enterprise and developing an effective extension program in cooperation with the USDA extension service to help Polish farmers move from a centralized to a free market-driven economy.

Penn State's partnership with Poland, as with other Eastern European countries, is based on more than altruism. By helping to establish free-market economies in these countries, Penn State is opening up new markets for Pennsylvania agricultural products.

"More than 25 percent of total cash receipts from agricultural products in the United States is from export sales," says J. Dean Janma, associate dean for International Programs in the College of Agricultural Sciences. "The retention and expansion of these export markets requires innovative research and education programs which support and enhance the competitiveness of U.S. agriculture. The information-acquired by faculty members on international assignments also supports the College's resident education programs and helps insure that graduates of the college are able to work effectively in a global agricultural industry."

### New engineering programs promote world view

In order to promote its international dimension, the College of Engineering has established a committee of faculty members, chaired by an associate dean whose responsibilities include international education and programs.

"The goal of the college's international program is to produce highly competent graduates who possess the skills necessary to help the nation maintain its position of worldwide leadership and innovation in engineering," says Joseph D'Gregorio, associate dean for Commonwealth and Continuing Education and International Programs in the College of Engineering. "Our international programs provide our students and faculty with a sensitivity to other cultures, an awareness of international design, construction, regulation and contracting standards, and an ability to communicate ideas

and needs beyond our national borders."

Under the direction of the Engineering Coalition of Schools for Excellence in Education and Leadership (ECSEEL), two new degree programs combining engineering and a foreign language recently have been developed by the college in cooperation with the departments of French and German. Students who successfully complete all requirements are awarded two B.S. degrees, one in engineering and one in either French or German. Plans are to extend the program to include other languages such as Spanish, Russian, Japanese and Italian at a later date.

Three student exchange programs with the University of Leeds in England expand and enhance the undergraduate educational experiences of Penn State architectural, civil and electrical engineering students. A similar program for students in mechanical engineering is scheduled to begin in fall 1993.

Three new continuing education opportunities are being planned by the college to take place in 1993. All three will serve to familiarize engineering educators with helping perspectives in Europe.

### Business students readied for global competition

In recognition of the increasingly global nature of markets and in response to fears that U.S. business is losing ground to foreign competition, The Small College of Business Administration has increased its emphasis on international programs. Because a better understanding of the function of business in the global network comes from firsthand experience, the College's International Business major now requires that students spend one semester studying abroad. According to the American Assembly of Collegiate Schools of Business, Penn State is one of the few U.S. schools to make study abroad mandatory in an International Business major.

The College also has recently mandated that all undergraduates complete the equivalent of 12 credits of foreign language, regardless of their major.

Leading the lead in internationalizing its graduate program, George Heitmann, professor of management science and director of international programs within the college, reports that the college has set an "achievable" goal of sending 25 percent of its MBA candidates to study abroad by 1995.

One important step toward that goal is the possible development of a joint MBA program with a newly established school in Germany. The proposed program would allow a mix of Penn State and German students to spend their first year in the core program at Penn State and then complete their degrees at the German institution. While Heitmann cautions that no commitment has yet been made, he says that if realized, the program would be "very distinctive one."

"I don't know of anyone else who offers exactly what our joint program would provide."

## Internationalizing the Commonwealth Educational System

Commonwealth Campuses face special challenges in attempting to internationalize students' perspectives, says Fred Gaige, CEO of Berks Campus and CES representative on the International Council. "Seventy percent of Berks students transfer to University Park, Penn State Harrisburg, or Penn State Erie after two years," says Dr. Gaige. "For many of them, the idea of spending a year, or even a semester abroad, is too much change within their four-year undergraduate career. It can be discouraging."

The increasing number of summer abroad programs now being offered, he says, may represent the best opportunity for Commonwealth Campus students to incorporate study abroad into their undergraduate experience.

### Commonwealth

Campuses also may draw on their individual strengths to develop international and multicultural programs especially suited to their student populations. The urban locations of many of the Commonwealth Campuses may provide what Dr. Gaige calls "natural" connections. He notes that Reading, home of Berks Campus, has the highest percentage of Hispanics of any Pennsylvania city. "I'd like to see us become involved with Puerto Rico for that reason," says Dr. Gaige. "It would not be an international program, of course, but it would provide increased multi-cultural opportunities for our students."

Four-year programs, particularly in areas with broad international appeal, such as American Studies, would help draw more international students to Commonwealth Campuses, he suggests. Cooperation between campuses, he notes, also presents a great opportunity for the development of international programs.

"It's a dream of mine to give every student an international experience," says Dr. Gaige. "I think being liberally educated means being able to compare and contrast your culture with others."

"International and cultural diversity is an integral part of the University's focus on undergraduate education. We've already put our toe in the water, now I'd like to see us wade in a little deeper."



Fred Gaige

### ABOUT THIS INSERT . . .

Original copy for this insert was written by Felicia Thibault Mulley. Layout and design were done by Lisa M. Rosellini, assistant editor for Intercom, and editing by William Campbell Jr., editor.



# University Park Calendar

## Nov. 12 — Nov. 22

### SPECIAL EVENTS

#### Thursday, Nov. 12

Urban Bush Women, 11:15 a.m., 108 White Bldg. Master class, Jawola Wifa Jo Zollar. Concert, noon, Kern Bldg. Lobby. Simple Gifts. Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Penn State Chamber Singers.

Marker Lectures, 3:30 p.m., 5-5 Osmond Lab. Daniel Kleppner on "Quantum Chaos, II." Men's Blue/White Basketball game, 7:30 p.m., Recreation Bldg. To benefit the United Way.

Penn State Vienna Orchestra, 8 p.m., School of Music Recital Hall. "Miri-concert." URTCo, Student Preview, 8 p.m., The Playhouse. "Comedy of Errors."

#### Friday, Nov. 13

Urban Bush Women, noon, Robeson Cultural Center. Lecture-demonstration.

Geography Coffee Hour, 3:30 p.m., 319 Walker. Sally McMurphy on "Rise of the Farm Factory: The Industrialization of 10th Century Dairying."

Poetry reading, 7:30 p.m., 101 Kern. Peter Vierock.

School of Music, 8 p.m., Recital Hall. "American Music for Flute and Piano, 1961-1991."

URTCO, 8 p.m., The Playhouse. "The Comedy of Errors." Continues through Nov. 24.

#### Saturday, Nov. 14

Office of Minority Faculty Development, workshop, 9 a.m., 114K Kern. Harold Cheatham on "The Publishing Process."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Urban Bush Women, "I Don't Know, But I've Been Told If You Keep On Dancing You'll Never Grow Old." Penn State Concert Choir/Chamber Singers, 8 p.m., School of Music Recital Hall. "Five Choral Dances."

#### Sunday, Nov. 15

Penn State Women's Chorus, 4 p.m., Recital Hall. Fall concert.

#### Monday, Nov. 16

College of Education, Distinguished Lecturers, 6:30 p.m., 112 Chambers. Henry M. Levin on "Accelerated Schools for All Students."

German Films, 8 p.m., 108 Wartik. "Egmont."

Marker Lectures, 8 p.m., 101 Classroom Bldg. Frank Ruddle on "Genomic Organization of the Homeobox Gene Family."

#### Tuesday, Nov. 17

Professional Women at Penn State, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Panel discussion on "SPEC—Questions and Answers."

Marker Lectures, 4 p.m., 8 Mueller Lab. Frank Ruddle on "Developmental Role of Homeobox Genes."

#### Wednesday, Nov. 18

Science Writers, 11:45 a.m., 313 Kern. Richard Devon.

Center for Women Students, Brown Bag Lunch Series, noon, 120 Boucke. Margaret Spear on "Women's Health Issues at Penn State."

Marker Lectures, 4 p.m., 101 Althouse Lab. Frank Ruddle on "Evolution of an Epigenetic System."

McDowell Lecture, 4 p.m., Keller aud. Ayea Somerson on "The Realities of Globalization—Implications for Extension." Center for Women Students, Six Feminist Scholars Lecture Series, 8 p.m., HUB Assembly Room. Michelle Harrison on "Women's Health As a Specialty: A Deceptive Solution."

School of Music, 8 p.m., Recital Hall. Pennsylvanian Quintet.

#### Thursday, Nov. 19

Marker Lectures, 11:15 a.m., 112 Buckhout Lab. Frank Ruddle on "Functional Interplay of Genes at the Chromosomal Level."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel.



A variety of ceramic items by artist Marcia T. Scheeler, including the vase shown above, are on display in Kern Commons Gallery at University Park until Dec. 11.

The Penn State Horn Ensemble. STS Lecture Series, 7:30 p.m., 112 Walker. John Taxval on "Electronic Messages: For Good or Evil?" Colloquy, 8 p.m., 10 Sparks. Robert Ressler, former FBI criminologist.

School of Music, 8 p.m., Recital Hall. Kim Cook, cello. Department of Spanish, Italian and Portuguese, Josephine J. Flies Lecture in Bondanella on "The Birth of an Auteur: Federico Fellini's Artistic Origins."

#### Friday, Nov. 20

Geography Coffee Hour, 3:30 p.m., 319 Walker. Rick Day on "GIS Applications in Soil Science."

Shaver's Creek, 7-9 p.m. Autumn Stargazing Program.

#### Sunday, Nov. 22

Penn State Dance Program, 1:30 p.m. and 4:30 p.m., 133 White Bldg. "Choreography's Showcase—Fall '92."

### PUBLIC RADIO

#### WPSU-FM 91.1

"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12-30 p.m., Wednesdays, with S. Leonard

Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

### CONFERENCES

Nov. 12-14. American Educational Research Association; 100 attendees; Nitany Lion Inn; P. Nelson, chair; J. Milson, coordinator.

Nov. 15-20. Harrisons & Crosfield Management Program at Penn State. Week II; 28 attendees; Nitany Lion Inn; M. Taylor, chair; J. Mencher, coordinator.

Nov. 16-17. Cooperative Coal Research, 40 attendees; Nitany Lion Inn; A. Davis, chair; J. Sinclair, coordinator.

Nov. 16-18. Penn State Golf Turf Conference, Nitany Lion Inn.

Nov. 16-18. Symposium on Materials Management Process; 20 attendees; Nitany Lion Inn; S. Grenoble, chair; R. Maclean, coordinator.

Nov. 16-18. G.E. Systemwide Meeting; Nitany Lion Inn; J. Marshall, chair; J. Sinclair, coordinator.

Nov. 17. PA Bar—Comparative Negligence, Contribution and Joint Tortfeasor Releases; five attendees; S. Henrick, chair; J. Milson, coordinator.

Nov. 17-20. Subsurface Media; 30 attendees; Atherton Hilltop; G. Yeh, chair; B. Impellitteri, coordinator.

Nov. 18. Penn State Cooperative Extension; 100 attendees; Nitany Lion Inn; Gary Peterson, chair.

Nov. 18-19. Leadership Training Program; 60 attendees; Nitany Lion Inn; B. Hartman, chair; E. Loop, coordinator.

Nov. 18-20. Technical Elements; 12 attendees; Nitany Lion Inn; R. Frantz, chair; B. Impellitteri, coordinator.

Nov. 19-20. The Trade Union Response to Global Free Trade; 25 attendees; Nitany Lion Inn; J. Keller, chair; R. Maclean, coordinator.

Nov. 19-20. All College Conference; 450 attendees; Gary Peterson, chair.

Nov. 20-21. PACF Fall Leadership Retreat; 15 attendees; Nitany Lion Inn; M. Borger, chair; E. Loop, coordinator.

### SEMINARS

Thursday, Nov. 12. Ceramic Science, 11 a.m. 301 Steidle. Prabhat "K. Gupta, Ohio State Univ., on "Glass-Forming Ability and Topologically Disordered Networks."

Computer Science, 4 p.m., 325 Whitmore Lab. Roland W. Freund, AT&T Bell Labs, on "Krylov Subspace Methods for Solving Symmetric Indefinite Systems of Linear Equations."

Gerontology Center, 4 p.m., 106 Mitchell. Alan Adelman on "Predictors of Physician House Calls."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. David Goldsman, Georgia Tech.

#### Friday, Nov. 13

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Millard Alexander, Maryland, on "New Ways of Studying Mechanisms of Photodissociation." Agronomy, 3:35 p.m., 101 ASI Bldg. Andrew Rowley, Agricultural Research Service, on "Simulating Nitrate Flux on Agricultural Watersheds."

#### Monday, Nov. 16

Alpha Epsilon, 1:30 p.m., 358 Willard Bldg. Lam F. Hood on "The Evolving Mission of Agricultural Research."

Entomology, 3:45 p.m., 107 ASI Bldg. Mark Winston, Simon Fraser Univ., on "The Essence of Royalty—Honey Bee Queen Phenotype."

#### Tuesday, Nov. 17

Plant Pathology, 1 p.m., 112 Buckhout Lab. Stanley Koca, Crop Genes International, on "Use of Genetically Engineered Microbials in Crop Protection."

Chemical Engineering, 3 p.m., Robeson Cultural Center. Dieter Lepsch, Technical Univ. of Munich, on "Flow Visualization and LDA Studies in Models of Human Vessels."

Colloquium, 4 p.m., Eisenhower Chapel. Alexander Lvshin, Moscow State Univ., on "Patterns of Liberal Reform in Russia Since 1861."

Operations Research, 4:15 p.m., 207 Sackett. Roger Grinde, Penn State Ph.D. candidate.

#### Wednesday, Nov. 18

Office of Research and Technology Transfer, 3 p.m., Keller Conference Center. Bettjooze B. Lile on "Government-Industry-University Partnerships: A Major Trend in Future Research Funding."

Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. Craig F. Bohren on "Ernst Mach."

#### Thursday, Nov. 19

Ceramic Science, 11 a.m., 301 Steidle. George W. Scherer, DuPont, on "Freezing Gels."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Dan Henke, HRB Systems.

#### Friday, Nov. 20

Physical Chemistry/Chemical Physics, 2:30 p.m., 55 Osmond. Marjatta Lyrra, Tempo, on "High-Resolution Spectroscopy with Stimulated Emission Pumping."

Agronomy, 3:35 p.m., 101 ASI Bldg. Richard F. Uhl on "Diagnosis in Wetland Treating Acid Mine Drainage."

### EXHIBITS

Chambers Gallery Collaborative Postcard Prints, through Dec. 4. Hetzel Union Building

#### Lobby:

"Buy Recycled" exhibit, through Dec. 19.

#### Art Alley:

Rosmaring by Roger Zellner, until Nov. 29.

#### Formal Gallery:

"Masks and Transformations" by Kathleen Jacobsen Frank, through Dec. 9.

#### Kern Galleries

Jewelry by Denise Arieu, until Dec. 11.

Ceramics by Marcia T. Scheeler, until Dec. 11.

Penn State Intercom's "Focus on Research," until Dec. 11.

#### Pattee Library

West Lobby Gallery "An Movement in Saudi Arabia," until Nov. 30.

East Lobby Gallery: "Lending Services Gallery." Basic wall hangings by Renee Doberneck, until Nov. 30.

#### Zoller Gallery

School of Visual Arts Faculty Exhibition, until Dec. 10.

### TIPS

Information Penn State Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

Reflects an international perspective

AWARDS

College of H & HD

# Annual alumni awards given

The College of Health and Human Development has chosen three graduates to receive its annual alumni awards.

Two graduates will receive the 1992 Alumni Recognition Award: **Sylvia H. Schraff**, president and chief executive officer of the Home Nursing Agency of Affiliates, Altosna, and Sachiko Tokuda, M.D., professor at the University of Nevada School of Medicine. The 1992 recipient of the Emerging Professional Award is **John Schulenberg**, assistant research scientist for the Youth and Social Issues Program at the University of Michigan.

Ms. Schaff holds both a bachelor's and master's degree in nursing from Penn State. When she began at the Home Nursing Agency it had six nurses serving one county; today it is one of the largest and most diversified home health organizations in the country, with 850 employees serving 14,000 people a year. She established one of the nation's first hospice programs as well as model programs for high-risk teen pregnancies, mental health, and drug and alcohol rehabilitation.

She is president of the Visiting Nurses Association of Pennsylvania, serves on the editorial boards of *Journal of Gerontological Nursing and Home Health Care, Nurse*, and has been active at the national level for several organizations. She also is a former member of the Penn State Alumni Council.

Dr. St. Jeor, who holds a master's degree in nutrition from Penn State, developed and directs the University of Nevada Nutrition Education and Research Program, which provides training in nutrition for medical students. She also established the Nutrition Behavior Clinic at the Milton S. Hershhey Medical Center, said to be the first such multidisciplinary clinic in the United States.

She is a member of the Committee on Opportunities in Nutrition of the Food and Nutrition Board/National Academy of Sciences. She also was a founding member of the Council on Renal Nutrition of the National Kidney Foundation; chaired the Council on Research of the American Dietetic Association; is a member of the American Heart Association's National Nutrition Committee, and served on the editorial board of the *Journal of American Dietetic Association*.

Dr. Schulenberg, who earned a Ph.D. in human development and family studies at Penn State in 1987, has attracted attention for his research on the transition from adolescence to adulthood, as well as on adolescent drug and alcohol abuse. His work has been described as "creative and distinguished, with a very high level of methodological sophistication."

He already has been invited to serve on the editorial board of *Career Development Quarterly*, an honor usually reserved for a more senior researcher. He also is on the faculty in developmental psychology at the University of Michigan. Prior to his graduate study at Penn State, he was a crisis family counselor and legal advocate for a runaway shelter in Ohio.

# Six alumni honored by College of Education

Six College of Education alumni have been honored in the College's Annual Awards Program.

**John W. Tippecomic III**, director of the Office of Indian Education Programs in the Bureau of Indian Affairs, U.S. Department of the Interior, received the Excellence in Education Award, given each year to recognize significant contributions to the field of education.

He earned both his M.Ed. and Ph.D. from Penn State in educational administration. His B.S. degree is in secondary education/math and social studies, from Oklahoma State University. Honors and affiliations include Fellow, National Kellogg Fellowship Program, Distinguished Scholar/Researcher of the American Educational Research Association, member, American Indian Advisory Committee, S. Department of Labor. Dr. Tippecomic is a member of the Comanche Tribe.

Three alumni received the College's Leadership and Service Award, given to recognize those who have distinguished themselves in their chosen professions, in or out of the field of education.

**Leo J. Gensante** is superintendent of schools of the Hollidaysburg Area School District. He earned a D.Ed. in curriculum and supervision from Penn State, a B.S. in education from Slippery Rock University, and an M.Ed. from Westminster College.

Dr. Gensante has served as a member of the board of directors of the Association for Supervision and Curriculum Department, and president of the Pennsylvania Association for Supervision and Curriculum Development (PASCD). He has received PASCD's Curriculum Leadership Award.

**Joyce B. Harrison** is principal of the West Philadelphia High School, Philadelphia, Pennsylvania. She earned her B.S. in elementary education from Penn State. Her M.Ed. is in educational administration from Temple University.

She has worked for Philadelphia public schools for 28 years, beginning in teaching and grade supervision, moving up to various administrative positions and then back as principal. She serves on the board of directors of the North Light Boys' Club, Black Women's Educational Alliance, and board of directors and member of the Singing City Choir. She serves on the Advisory Board of Penn State Great Valley.

**John J. Mahlmann** is executive director of the Music

Educators' National Conference, the largest arts education organization in the world, in Reston, Va. He earned his D.Ed. in art education at Penn State. His B.F.A. and M.F.A. are from Boston University.

Dr. Mahlmann formerly was executive director of the National Art Educators Association. He also serves as director of the Sino-American Cultural Society, Greater Reston Arts Center, Fairfax County Council for the Arts, and the Center for Education Associations.

Two alumni were recognized for their excellence in teaching with Outstanding Teaching Awards.

**Carol E. Hahn** is a second grade teacher at Reagan Elementary School in San Angelo, Texas. A teacher for 14 years, she earned her B.S. in elementary education from Penn State and her M.A. from Texas Christian University.

Honors and affiliations include teacher representative to the Education Service Center XV Strategic Planning Group; member of the Education Service Center XV Advisory Committee; 1990 Volunteer of the Year at Goodfellow Air Force Base.

**Richard J. Lamberski** is associate professor and internship coordinator in the Department of Communications Media at Indiana University of Pennsylvania. He also is senior research associate in the Institute for Research and Community Service at IU. He earned both M.S. and Ph.D. degrees from Penn State in instructional media and instructional systems, respectively. His B.S. is in social science from Duquesne University.

Dr. Lamberski has been responsible for the development and management of a program which prepares students for the fields of organizational communications and human resource development. His honors include the IUP's College of Education First Annual Faculty Recognition Award for outstanding accomplishment as a teacher-scholar; Human Resource Development Excellence Award for a distinguished record in the development of programs, Pittsburgh Chamber of the American Society for Training and Development.

The College of Education Awards Program, begun three years ago as an effort to identify outstanding alumni, has recognized more than two dozen alumni. Honorees are brought back to University Park to interact with faculty, staff, students, and other alumni.

# Two receive research achievement award

Two faculty members in the College of Health and Human Development have been chosen for the college's 1992 research achievement award.

**Penny M. Kris-Etherton**, professor of nutrition, and **Michael A.**

and his wife, **Helen**, a 1985 graduate in individual and family studies.

Dr. Kris-Etherton studies the relationship between diet and coronary heart disease. She has found that stearic acid — found in chocolate — is a unique saturated fatty acid that, unlike other saturated fatty acids, does not raise blood cholesterol levels and does not promote blood clots (both risk factors for heart disease).

She has earned two national awards for her work: the 1991 Lederle Award in Human Nutrition and the 1989 Achievement Award from the Sports and Cardiovascular Nutritionist Practice Group of the American Dietetic Association. She serves on the editorial board of the *Journal of the American Dietetic Association* and four other journals.

Dr. Smyer was cited by one nominator for his "mastery of the research enterprise, not only in terms of getting the results, but also in his ability to build and maintain a project team representing a large number of people with different agendas, disparate objectives, and varying capabilities."

His current funded projects focus on the effects of mental health interventions in nursing homes and the effects of prescription drug assistance

programs for older adults.

He is president of the Adult Development and Aging Division of the American Psychological Association and holds fellow status in the APA, the American Psychological



**Penny M. Kris-Etherton**

Smyer, professor of human development, have received the Evan G. and Helen G. Pattishall Outstanding Research Achievement Award. The award was endowed by Evan Pattishall, dean emeritus of the former College of Human Development,



**Michael A. Smyer**

Society, and the Gerontological Society of America. He is a member of the Initial Review Group on Clinical Training in Geriatric Mental Health for the National Institute of Mental Health.

AWARDS

# Advising and teaching awards bestowed on two

The College of Health and Human Development has chosen two faculty members to receive its annual awards for advising and teaching.

**Gary J. Fosmire**, associate professor of nutrition science, has received the Evelyn R. Saubel Faculty Award for service to students. **Cheryl Achterberg**, associate professor of nutrition, has received the Dorothy Jones Barnes Teaching Award.

The Saubel Award was established in honor of Evelyn Saubel, a 1935 home economics graduate who was a longtime assistant to the dean in the former Colleges of Home Economics and Human Development.

The nomination materials for Dr. Fosmire praised his sensitivity to students' needs and his contributions to the professional development of students. One colleague wrote, "A hallmark of his work has been sensitivity to and concern for the 'underdog,' whether student, faculty, or staff member."

His involvement in undergraduate education includes serving as chair of the Student Life Committee of the University Senate and a member of the Senate

committee on Classroom Climate; in addition, President Thomas appointed him to the University Undergraduate Education Task Force, and he was named an "Excellent Honors Instructor" by the University Scholars Program.



Gary J. Fosmire



Cheryl Achterberg

Dr. Fosmire also has an ongoing program of research on the effects of zinc deficiencies on the body, especially among the elderly.

The Barnes Award honors excellence in teaching and contributions to the art of teaching. It is supported by an endowment from Dorothy Jones Barnes, a 1944 graduate of home economics, and her husband, William T. Barnes.

Dr. Achterberg is known for her innovative teaching methods, including videotapes, satellite teleconferences, interactive computer programs, and multi-media materials for distance education. She has participated in conferences in Japan, Canada, New Zealand, and France to help develop effective nutrition education programs.

She also serves as director of the Penn State Nutrition Center, which offers community-based research, outreach services, and nutrition information. Her research focuses on the development of eating habits and on nutrition education.

She is a past winner of Penn State's Interhellic Council Outstanding Faculty Award.

## Penn State McKeesport

### Honors given for going the extra mile

Three Penn State McKeesport personnel have received 1992 Campus Advisory Board Awards.

**Nancy Herron**, director of academic affairs, received the Leadership Award for her role in "inspiring and accomplishing positive change in the academic arena in only one year." Colleagues stated that she "has earned the respect of many as one who exerts considerable time, energy and sincerity to resolve issues and to move the campus and faculty on a forward-looking path." Dr. Herron was appointed to her current position in July 1992, but had held the position in an acting capacity since October 1991.

As associate librarian in the University's Campus Libraries Division, she served as head librarian for Penn State

McKeesport's J. Clarence Kelly Library from 1984 to 1990. She completed an Administrative Fellowship in the Office of the President at University Park from August 1990 to August 1991.

**Jeanette Francis**, copy center staff assistant, received the Service Award for performing her duties with pride and efficiency. Nomination statements recognized her efforts handling large volumes of work and meeting deadlines. She was applauded "for filling a job that is behind the scenes with quality finished products."

**David L. Wallach**, assistant professor of physics, received the Academic Excellence Award, for "going the extra mile" for his students. Dr. Wallach has gained the reputation of being accessible to students at their convenience.

## Faculty, students and staff earn kudos for exceptional work

The Penn State Chapter of the Golden Key National Honor Society inducted more than 1,200 students, awarded scholarships and honored faculty at its annual awards program at University Park in October.

The chapter honored faculty for distinguishing themselves in their fields and for providing superior student service. Honorary faculty memberships were presented to: J.D. Hammond, dean of the Mary Jean and Frank P. Smel College of Business Administration; David A. Morrow Jr., president of the Penn State Alumni Association and member of the Board of Trustees; Patrick Trimble, assistant professor of integrative arts, and Lawrence W. Young, Jr., director of the Paul Robeson Cultural Center. James M. Rameau, associate dean for undergraduate education and associate professor of English, was named Outstanding Faculty Recipient.

Students receiving scholarships were: Kristin Kishall Arehbold, a major in psychology, Junior Outstanding Member Scholarship; Trevor W. Smith of Souderton, a major in civil engineering, Senior Outstanding Member Scholarship; Steven A. Levy of Dalton, a senior in accounting, Curtis Millar Scholarship, and Adrienne Conforti of West Chester, a senior in finance, Gene Chichilla Memorial Fund award.

Golden Key recognizes and encourages scholastic achievement among students in all academic fields. It awards scholarships, provides career assistance and networking for outstanding students. Membership is by invitation and is limited to the top 15 percent of the junior and senior classes.

## Three Continuing Education projects receive awards from national association

Three Continuing Education projects have received awards from Region II of the National Continuing Education Association.

The Penn State Berks Campus' Food Manufacturer's Consortium received a first place Award of Excellence.

**Walter F. Fullam**, director of continuing education at the campus, and **Arnold Roseman**, senior research associate with the Department of Food Science, were honored for the training and development consortium they formed with 11 food manufacturing companies. Funding came from the state, the Ben Franklin Partnership Program and MANTEC, the Industrial Resource Center of Southeastern Pennsylvania.

The Dietetic Extended Degree Programs received an honorable mention for "Contribution to Adult and Continuing Education."

The certificate in dietary management and associate degree in dietetics food systems management credit programs are coordinated by **Sara C. Parks**, associate dean for the Commonwealth Educational System and international programs, College of Health and Human Development, and College staff members **Ellen Barbow**, **Bonnie Bakos** and **Janet Rayteck**, as well as **David F. Meece**, director of Independent Learning.

The Penn State Wilkes-Barre Campus' Summer Youth Program 1992 was awarded an honorable mention for "Administrative Quality."

**Melissa L. Noderer** is continuing education coordinator for the program, which offered enrichment-oriented programming for children who had completed kindergarten through the eighth grade. More than 475 children enrolled in the 1992 session, participating in hands-on activities in the areas of art, computers, creative and cultural activities, sports, math and science.

## Distinguished professor earns Fulbright award to study in Wales

**Robert Plomin**, distinguished professor of human development, has received a Fulbright Scholar award to study in Cardiff, Wales, during the current academic year.

A behavior geneticist, Dr. Plomin is doing research at the University of Wales College of Medicine, where he is collaborating with colleagues in the Laboratory of Neuropsychiatric Genetics. Their ultimate aim is to identify DNA markers involved in such complex traits as cognitive abilities and disabilities, alcohol abuse and other behavioral problems. The Fulbright program is designed to increase mutual understanding between the people of the United States and the people of other countries. Students, teachers and scholars are selected for the awards on the basis of academic and professional excellence, plus their ability and willingness to share ideas and experiences with people of diverse cultures.

Dr. Plomin is director of the Center for Developmental and Health Genetics in the College of Health and Human Development.

His work in Wales also is funded by a Fogarty Senior International Fellowship from the National Institutes of Health.

# Arts

## Continued from Page 6

Dr. Calderer's research involves the development of mathematical models to describe the behavior of materials such as liquid crystals under various conditions. She is associate chair of the Department of Mathematics, which appears to have more women who are tenured or in leave-track positions than any other major mathematics research department in the country.

Dr. Maxson is a specialist in evolutionary biology and genetics who is internationally known for her research on the evolution of amphibians, particularly frogs and salamanders. She is secretary of the Society for Molecular Biology and Evolution and is a member of the editorial board of *Molecular Biology and Evolution*, a leading professional journal devoted to exploring the interdisciplinary aspects of molecular biology and evolutionary biology.

Londa Schiebinger, associate professor of history and host of the series, will interview Drs. Calderer and Maxson. "Scopes: Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

### Dance program

The Penn State Dance Program will present "Choreographer's Showcase - Fall '92" at 1:30 and 4:30 p.m. Sunday, Nov. 22, in 133 White Building at University Park.

The performance will feature choreography by faculty members Myrna Munchus-Bullock and Elizabeth Limons, both instructors in the Department of Exercise and Sport Science, as well as student works. Also featured is Orchestis Dance Company, a student-run performing organization.

Tickets are \$3.00 for students and \$4.00 for the general public, and can be purchased at the door. For further information, contact Elizabeth Limons, 863-7366. The Dance Program is housed in the College of Health and Human Development.

### Kern exhibits

Exhibits of jewelry, ceramics and "Focus on Research" pages from the Penn State Intercom are on display until Dec. 11 in the Kern Commons Galleries at University Park.

Jewelry by Denise Ariews is a unique blend of natural metals and stones which reflect the serene colorfulness of the Southwest. Silver and copper are united with turquoise, amber, and coral to create versatile pieces. These pieces can accessorize formal attire, or add a splash of color to casual clothes.

Focus on Research page

Marcia T. Scheeter says of her ceramics work: "Series work has always proven the most consistent source of ongoing creativity. The game of 'what if' is paramount to the discovery and evolution of any given form."

"Beyond the mechanics of simply throwing a pot, my focus is not on end product but on the total development of a concept. I prefer to think of my work as a sculptural study of function bringing into play aesthetics, counterpoint, classical simplicity and purpose."

"Focus on Research" is a weekly feature of Penn State's faculty/staff newspaper, *Intercom*. The page highlights, through a brief article and photographs and art work, the research findings of Penn State faculty.

Many of these same stories have appeared in reports by the *New York Times*, *USA Today*, *TIME Magazine*, *Newsweek*, and other major periodicals around the nation. The publication is edited by Bill Campbell and desk-top layout design of the "Focus on Research" is done by Lisa Rossellini, assistant editor.

### Pattee exhibit

Batik wall hangings and other batik items created by local artist Renee Doberneck will be on display in Pattee Library's Lending Services Gallery, Nov. 4-30.

The title of the exhibition, "Life's Dreaming," represents the artist's spiritual journey. The subjects for her works include a wolf singing to the moon, crows flying through a sunflower, and an owl in an autumn tree.

Assisting Ms. Doberneck with the exhibition is Lorraine Shawyer, a local clothing and costume designer, who recently finished a year apprenticing with a well-known designer in California.

### Saudi art

The exhibition "Art Movement in Saudi Arabia" is on display in Pattee Library's West Lobby Gallery until Nov. 30. The exhibition is organized by Fawaz Abuunayyan, president of the Saudi Arabian Art Education Association and a doctoral student in the Department of Art Education.

The exhibition illustrates the interpretation of plastic art by Saudi Arabian artists. Plastic art was introduced to Saudi Arabia in the 1950s by Arab instructors hired to teach art in Saudi public schools and some scholars who had been to Europe and Egypt.

Today, Saudi artists can be divided into two groups—the Westernized group and the group that integrated plastic art into Saudi art. The first group introduced and educated Saudi artists in the styles of Realism, Impressionism, Surrealism, and Cubism. The second group combined the ideas and techniques of forming plastic art with Saudi traditional forms of symbolism, manuscript, calligraphy, and epigraphy.

Several movements in Saudi arts were inspired by the local environment and traditional materials. Among these are Abdulhaleem Rady's Movement, the Decorative/Abstract Movement, the General Traditional Movement, and the Abstract International Movement.

### Handel's "Messiah"

The sixth presentation of Handel's "Messiah," benefitting the Penn State University Children's Hospital, will be held at 3 p.m. Sunday, Nov. 29 in the Hershey Theatre. The event has raised approximately \$20,000 for the children of central Pennsylvania through the Children's Miracle Network since 1987.

Participating in the "sing-along" presentation will be musical organizations, school and church choirs, and people who enjoy music from throughout central Pennsylvania. It is presented by The Hershey Medical Center Employee Fund Raising Committee and community volunteers.

The cost of tickets is \$10.50 in advance; \$8.50 for groups of 20 or more; \$8.50 for senior citizens; \$5.50 for students, and \$12.50 at the door. For tickets, call Hersheypark Arena at 534-3911.

### ARTS AT . . .

#### Mont Alto

An exhibit of large, birchwood wall pieces by artist Kris (Nuschke) Taylor is on display through Friday, Dec. 18, at the Penn State Mont Alto Campus.



Kris (Nuschke) Taylor and her work.

Ms. Taylor, who studied art at Washington University in St. Louis and Idaho State University, said the concept for the large, wooden creation was born when she fashioned an accent piece for her booth at a jewelry buyer's market show.

"I love pattern and that's what these pieces are all about: pattern and color," she said.

The exhibit, which is on display in the campus library, is part of the "How to Plink and Plunk, Howl and Scowl, Hoot and Toot and Call It Art!" series.

For more information on the series, call the campus at (717) 749-3111.

## NEWS IN BRIEF

### Lecture series

John Skelly, professor of plant pathology, will speak on "Anthropogenic Ozone and Its Importance to the Health of Pennsylvania's Forests" at noon Wednesday, Nov. 18, at the Penn State Downtown Center, 234 N. Third St., Harrisburg.

The presentation, sponsored by the center, is one of a series of lectures on public policy issues. For more information on the lecture series, call the center at (717) 783-0433.

### Science writers

Richard Devon, associate professor of general engineering, will lead a luncheon roundtable discussion sponsored by the Penn State Chapter of the National Association of Science Writers, at 11:45 a.m. Wednesday, Nov. 18, in 313 Kern Building at University Park.

Dr. Devon will lead a discussion of "Science and Technology Policy at NASA."

The Penn State Chapter of the National Association of Science Writers brown bag luncheon roundtable series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

### Rhea Lecture

The Department of Spanish, Italian and Portuguese will present the Josephine J. Rhea Lecture in Italian Letters on Nov. 19 at University Park.

Peter Bondanella, chairman of the Department of West European Studies and director of the West European Studies Center at the University of Indiana in Bloomington will speak on "The Birth of an Auteur: Federico Fellini's Artistic Origins," at 8 p.m. in 110 Wartk Laboratory.

Professor Bondanella, whose specialty is Italian film studies, has authored more than a dozen books on world drama and cinema, including the films of Roberto Rossellini and Federico Fellini. He is a visiting lecturer with the department.

The lecture is open to the public.

## CARPOOLERS

Ride wanted to University Park from Pleasant Hills, Pleasant Gap. Work hours are 8 a.m. to 5 p.m. Please call Janet at 865-8692.

John is seeking carpoolers from Altoona to University Park. His work hours are from 8 a.m. to 5 p.m., Monday through Friday. Call 865-2433 or 944-6254.

# Focus on Research

Intercom  
November 12, 1992

## ZEBRA MUSSELS A serious threat to Pennsylvania waterways

University scientists are searching inland waterways in Pennsylvania for evidence of the destructive zebra mussel, a prolific mollusk which infested the Great Lakes region in a few short years, causing thousands of dollars worth of damage to power plants and water supply systems there.

"I would be very surprised if the zebra mussel has not already made a home in the inland lakes and rivers here," said Dean E. Arnold, adjunct assistant professor of aquatic ecology in the College of Agricultural Sciences. "The great amount of boating that takes place in some of Pennsylvania's waterways makes it a prime target for a zebra mussel invasion."

Zebra mussels, which obtained their name from the alternating light and dark bands that appear on their shells, attach themselves to boat hulls and trailers, and infiltrate water cooling systems and intakes, engine compartments and bilges of watercraft, gaining a free ride into inland waterways.

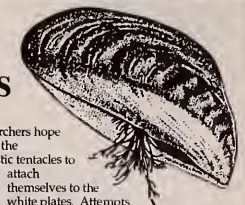
Through a project organized by the state Department of Environmental Resources, Dr. Arnold began monitoring some Pennsylvania waterways, including the Juniata River and its tributaries, and Raystown Lake in Huntingdon County — a popular resort spot for many boaters and fishermen traveling from the Great Lakes region.

As part of the Pennsylvania Zebra Mussel Watch Program, Dr. Arnold is one of several researchers in the state sampling waterways in the Susquehanna River basin that runs from New York to the Chesapeake Bay. Already scientists in New York have cited the destructive clam in a section of the Susquehanna there, and power plants in Pennsylvania have taken note. Since the report, the more than a dozen power plants that run the expanse of the Susquehanna River through Pennsylvania have all been carefully monitoring the waterway for any sign of the menacing mollusk.

"Half of Pennsylvania lies within the Susquehanna River basin and the river itself is the lifeline to the Chesapeake Bay," he explained. "Any threat to these waters is a threat to their tributaries and a good portion of the waterways in a number of states."

The samplers being used by scientists consist of 10 white plates that slide easily into a rack. The rack is then submerged in the water, where it remains for two weeks in an attempt to attract zebra mussel colonization. Zebra mussels go through various stages of development ranging from a planktonic larval stage, where the invertebrate floats or swims, to a settling stage and to an adulthood.

It is during the settling stage that researchers hope any zebra mussels present in the waters of the Susquehanna will use their threadlike, elastic tentacles to



attach themselves to the white plates. Attempts to find the swimming form of the zebra mussel will also be made by pumping water through a net and performing a microscopic examination. To date, no zebra mussels have been cited at any of the Pennsylvania sites.

"DER handed out 60 samplers to scientists and environmentalists in various key locations in the Susquehanna River basin, and officials are hoping to expand the monitoring project to other river basins in the near future," Dr. Arnold said. "In addition to their interference with water intake systems, which causes costly shut downs of power plant operations, zebra mussels pose a serious threat to native clams and to certain game fish species."

The University scientist explained that because zebra mussels need to attach themselves to submerged solid objects, the shells of native clams often become a prime target. It is not uncommon, according to Dr. Arnold, to find a native clam smothered by zebra mussels growing on its shell. Out of the approximately 70 species of freshwater clams found in Pennsylvania, 23 are under review for listing as endangered, while six have already been declared endangered.

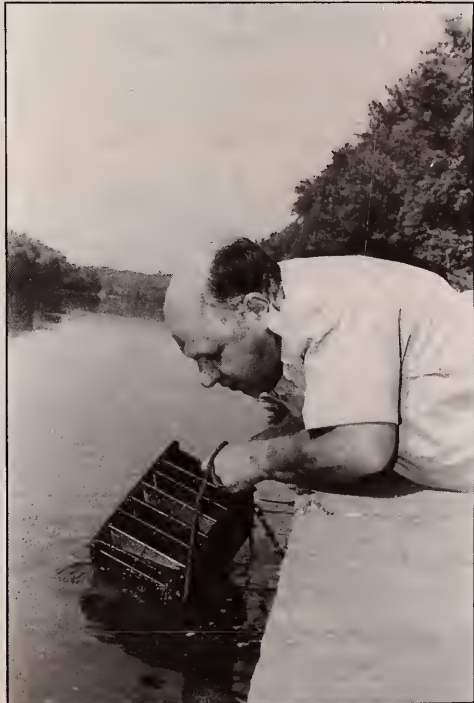
"Although zebra mussels can improve water quality by filtering water in search of food, they are removing plankton algae from the water — the basic source of food for fish and waterfowl," Dr. Arnold said. "They are definitely disrupting the food chain."

In addition, diving ducks attracted to zebra mussels as a food source have been drowned after being sucked into the screens of power plant intake pipes where zebra mussels congregate.

Despite the fact that no zebra mussels have yet been found in the inland waterways of the Commonwealth, Dr. Arnold and DER officials are certain zebra mussels will eventually find their way here. The monitoring project will span several seasons, but will close down for the winter when water temperatures reach around 46 degrees Fahrenheit.

"There is no doubt that zebra mussels are coming and they will cause problems," Dr. Arnold said. "It's just a matter of time."

— Lisa M. Rosellini



Dean Arnold checks a sampling rack that was submerged in the Juniata River for the presence of zebra mussels. The rack came up empty - this time.

Photo: Greg Grieco

## APPOINTMENTS

**Abhay Ashtekar**, a leading theoretical physicist who specializes in the field of general relativity and quantum gravity, has been appointed to the Eberly Chair in Physics.

The position is one of eight chairs established with \$1 million endowments for each academic department in the Eberly College of Science by the Eberly Family Charitable Trust of Uniontown. It is one of the highest honors awarded to Eberly College of Science faculty members. Dr. Ashtekar, currently the Eberly Professor of physics at Syracuse University, will assume the position in the fall of 1993.

"Dr. Ashtekar's acceptance of this chair and his leadership in establishing an outstanding research center in gravitational physics will significantly broaden and enhance our physics programs," Gregory L. Geoffroy, dean of the Eberly College of Science, said.

Dr. Ashtekar earned his bachelor's degree in physics and mathematics at the University of Bombay, India, in 1969 and his doctoral degree in physics at the University of Chicago in 1974. He has held positions at the University of Oxford in Great Britain, the Enrico Fermi Institute of the University of Chicago, and the University of Clermont in France.

At Syracuse University, he became assistant professor of physics in 1980, associate professor in physics in 1982, and professor of physics in 1984. From 1983 to 1985 he also was professor and holder of the chair of gravitation at the University of Paris. He was named distinguished professor of physics at Syracuse University in 1988 and Erastus Franklin Holden professor of physics in 1992.

The author or coauthor of more than 94 published research papers, Dr. Ashtekar also has written five scholarly books on topics relating to gravity and relativity. In 1977 he won an international competition to receive the first Gravity Prize awarded by the Massachusetts-based Gravity Research Foundation. He held an Alfred P. Sloan Research Fellowship from 1981 to 1985 and received the Syracuse University Chancellor's Citation for Academic Excellence in 1987. He was elected to the Governing Council of the International Society for General Relativity and Gravitation in 1989, a post that he will hold until 1993.

Dr. Ashtekar is a highly sought-after speaker who has given numerous invited lectures worldwide. He was named Rufus Putnam Visiting Professor by Ohio University in 1989, Senior Visiting Fellow by the British Society and Engineering Research Council in 1991, and Distinguished Lecturer by the Institute for Fundamental Theory of the University of Florida in 1992.

An active member of the international physics com-

munity, he has been a guest scholar at the Max Planck Institute for Physics and Astrophysics in Germany; a visiting scientist at the Raman Research Institute in India, a member of the National Science Foundation Physics Division panel for the selection of NSF Young Investigators, and a consultant on science and technology to the United Nations Development Program. He is managing editor for general relativity and quantum gravity for the *International Journal of Theoretical Physics*.

Roger Brisson has joined the University Libraries as social sciences cataloging librarian.

Prior to joining the Libraries, Mr. Brisson participated in a two-year, post master's degree residency program at the University of Michigan's University Library. During his residency, he was assigned to the Special Formats Cataloging Unit.

Mr. Brisson is a member of the Association of College and Research Libraries' Western European Specialists Section and the Rare Books and Manuscripts Section. He also is a member of the National Education Association.

He earned a master of library science degree from UCLA's Graduate School of Library and Information Science in 1990 and a master of arts in history, also from UCLA, in 1984. He earned his undergraduate degree in history from Pomona College in Claremont, California in 1979.

**Donald A. Bryant**, professor of molecular and cell biology in the Eberly College of Science and member of the Biotechnology Institute, has been named the first holder of the Ernest C. Pollard Professorship in Biotechnology.

The professorship honors Ernest C. Pollard, Evan Pugh professor emeritus of biophysics. A celebrated educator and humanist, Dr. Pollard was the founder and former head of the Biophysics Department, which in 1979 merged with the Microbiology and Biochemistry Departments to form the present Department of Molecular and Cell Biology.

Dr. Bryant joined the University faculty in 1981 and became a member of the Biotechnology Institute in 1986. A molecular biologist, his research focuses on understanding the structure, function, assembly, biosynthesis, and regulation of the photosynthetic apparatus in cyanobacteria, formerly known as blue-green algae.

Dr. Bryant's research uses modern recombinant DNA methods to reveal how light energy from the sun is harvested and efficiently transformed into chemical energy in cells. Other research interests include structural and functional studies on the

photosynthetic apparatus in the green sulfur bacteria and studies on the evolutionary origins of chloroplasts in plant cells.

Currently a member of the Cooperative Program in Recombinant DNA Technology, Dr. Bryant has been an adjunct faculty member in the intercollege programs of genetics and plant physiology since 1983. From 1984 to 1988, he served as operator and director of the college's DNA Synthesis Facility.

Prior to joining the Penn State faculty, Dr. Bryant, who earned a bachelor's degree in chemistry at the Massachusetts Institute of Technology in 1972 and a doctoral degree in molecular biology at the University of California at Los Angeles in 1977, was a postdoctoral fellow at the Pasteur Institute in France and Cornell University. From 1989 to 1990, he was a visiting professor at the Swiss Federal Technical University in Zurich.

The author or coauthor of more than 85 published articles and papers, he is associate editor of the journals *Archives of Microbiology* and *Photosynthesis Research* and has served on the editorial board of the *Journal of Bacteriology*.

Dr. Bryant is a member of the American Association for the Advancement of Science, the American Society of Plant Physiologists, the American Society of Microbiology, the International Society for Plant Molecular Biology, and the American Society for Biochemistry and Molecular Biology.

**Thomas R. Liszka**, assistant professor of English at the Penn State Altoona Campus, has been named acting director of academic affairs.

The position had been held for the last year by Robert Loeb, who stepped down to devote more time to his position as external grants coordinator and assistant director of academic affairs.

Dr. Liszka, who has been a faculty member at the Altoona Campus since 1984, teaches classical and medieval literature, writing, and technical and business writing courses. He earned his master's and doctoral degrees in English from Northern Illinois University, specializing in Medieval English literature. He taught at the University of Illinois at Chicago and DePaul University prior to coming to the Altoona Campus.

**Jean Furmanek** has been named admissions officer at the Penn State Altoona Campus.

Prior to her appointment, Ms. Furmanek was assistant director of admissions at St. Francis College for four years. She also worked in admissions at Duquesne where she was responsible for music enrollment at the college.

Ms. Furmanek earned her bachelor's degree in music education and music therapy at Duquesne and worked as a music therapist in Los Angeles. She currently is completing a master's degree in personnel administration at St. Francis College.



Abhay Ashtekar



Donald A. Bryant

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November 12, 1992  
Vol. 22, No. 13

PENNSTATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communication medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor

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## Questions about health care options come to light

*Editor's note: During October and November, the Human Resources Office sponsored five open houses with faculty and staff to meet representatives of TIAA-CREF, HealthAmerica and Employee Benefits to answer specific questions about benefit plans before the Nov. 30 deadline. The health care options prompted many of the questions. Intercom is publishing some of the most frequently asked questions and answers from Employee Benefits and HealthAmerica in order to assist the University community. (See related story on Page 10).*

**Q:** Under the HMO option, what happens if I have a medical emergency?

**A:** Call your primary care physician's office first for pre-authorization. If your problem is life threatening, go to the nearest emergency room. If the primary care physician referred you to the ER, you will pay a \$25 fee, but the fee is waived if you are admitted to the hospital.

**Q:** What if I travel out of town or out of the country?

**A:** You must still call your primary care physician first for pre-authorization unless the condition is life-threatening. If it is life-threatening, get medical care first but call your primary care physician within 24 hours.

**Q:** Will I be covered if I go on sabbatical leave?

**A:** If you are on a sabbatical leave away from the service area, you should consider enrolling in Plan A (Hospital/Surgical/Major Medical Plan), for the year of leave.

**Q:** Would the HMO cover expenses for eligible dependent students who attend school out of the coverage area?

**A:** Only emergency care would be covered. The eligible dependent student would be required to contact the primary care physician.

**Q:** What if I need a specialist?

**A:** Your primary care physician can handle approximately 90 percent of your health care needs. However, if you need a consultation or treatment by a specialist for a condition that is beyond your PCP's normal scope of practice, your PCP may refer you to a participating consultant.

**Q:** Is chiropractic care covered?

**A:** Chiropractic care can be covered as an alternative to traditional physical therapy if it is referred by your primary care physician. The plan does not cover ongoing services. The maximum benefit available is 15 visits or 60 consecutive days, whichever is greater.

**Q:** Do you have to call your primary care physician for routine gynecological exams?

**A:** No. You may receive one annual gynecological exam per year by contacting HealthAmerica. HA will send you an authorization that permits you to see your gynecologist without seeing your primary care physician first.

**Q:** Does the HMO cover periodontal care?

**A:** The HMO does not provide any dental care, except the removal of impacted wisdom teeth.

**Q:** For prescriptions drugs, the HMO benefit covers 50 percent of the average wholesale drug price. All prescriptions shall be filled with the most cost-effective, FDA-approved generic brand medication. What if I

cannot use generic drugs?

**A:** Your primary care physician should contact the HMO medical director and discuss the situation. Brand-name prescriptions will be covered by HealthAmerica if they are authorized first by the medical director. But the medical director will give the authorization only if there is documented evidence by the primary care physician for not using generic drugs.

**Q:** Is there a lifetime major medical maximum limitation under the HMO?

**A:** No. However, there are a few benefits with contract year or lifetime limitations. Examples are skilled nursing care — 100 days per contract year; and in-patient chemical dependency rehabilitation — 30 days per contract year, 90 days per lifetime maximum.

**Q:** If I am currently receiving treatment for a condition, will the HMO plan cover me?

**A:** Yes. The HMO does not contain a pre-existing condition limitation.

**Q:** Is there a waiting period to receive benefits?

**A:** No. HMO members are entitled to covered services, including maternity benefits, beginning on the first day of membership.

**Q:** What if I want to use a physician or provider outside of the HMO network?

**A:** The charge will be covered by HealthAmerica if you are referred by the primary care physician and you receive approval by the HealthAmerica plan.



**University Park construction ...** The ARL Building is under construction on the West Campus at University Park. The \$10 million applied research laboratory is being funded by a grant from the U.S. Navy. Projects to be housed in the three-story, 71,000-square-foot structure include studies of marine composite materials, turbomachinery and instructional fluid dynamics, ocean acoustics and active vibration control. The building also will include a 290-seat auditorium, conference rooms, a student study area, classroom space and a library.

Photo: Greg Grieco

### Quality management University units embrace CQI concept

Like most sports teams, each member of a Continuous Quality Improvement team must have a chance to make a contribution on the playing field in order for the entire team to win the game.

"This is a critical philosophy of CQI that must be understood and accepted before a unit embarks on a CQI project," Louise Sandmeyer, director of the CQI Center at Penn State, said. "Most people are accustomed to serving on committees, but there is a genuine difference in philosophies and operating principles between a team and a committee. Every team member must acknowledge this important distinction in order for the team to be effective."

A committee is led by a chair and is formed to make recommendations on an issue to an administrator. Its role usually ends when the recommendations are received.

In comparison, a team has a sponsor "See CQI" on Page 3

## December film festival to highlight Native American images

The Native American Student Association and the School of Communications are co-sponsoring a film festival, "Native American Images: Myth and Reality," Dec. 2 and 3 at University Park.

The films will be shown between 6 and 10 p.m. each night in the Carnegie Cinema and are free to the public. A discussion will follow each screening.

The feature film, "Incident at Oglala," will be shown at 9 p.m. Thursday, Dec. 3. Produced by Robert Redford and directed by Michael Apted of "UP" fame, the film discusses the case against Leonard Peltier, AIM activist convicted of killing two FBI agents on the Pine Ridge reservation in 1975.



Following is a schedule of the films:

**Wednesday, Dec. 2:**

Session One, 6 p.m.: "The Movie Reel Indians" and "Heathen Intims" and the Hollywood Gospel" from the "Images of Indians" series produced for Seattle television. Discussion: Aaron Gresson, associate professor of education.

Session Two, 7:25 p.m.: "The Crow Shoshone Sun Dance." Discussion: John Grim, Department of Religion, Bucknell University.

Session Three, 8:45 p.m.: "The Spirit of Crazy Horse." Discussion: Irvine Twin, co-chair, Centre Region Women of Color Committee.

**Thursday, Dec. 3:**

Session One, 6 p.m.: "Columbus Day, 1992: A Day of Mourning."

Session Two, 6:25 p.m.: "The New Pequot: A Tribal Portrait." Discussion: Will Goins, graduate student, Educational Administration Program.

Session Three, 7:45 p.m.: "The Learning Path." Discussion: AILP Women Educators, including Clarice Baker-Big Back, Brenda Peltier, Susan Banks and Barbara Froman.

Session Four, 9 p.m.: "Incident at Oglala."



**Master class ...** Willa Jo Zollar, artistic director and choreographer for Urban Bush Women, teaches a master class in White Building at University Park as part of the group's three-day residency last week. Photo: Greg Grieco

## ⦿ DIVERSITY OPPORTUNITIES CALENDAR ⦿

### Thursday, Nov. 19

Puerto Rican Student Association, 6 to 7 p.m., 301 HUB. Puerto Rican Awareness Week presentation titled "The Mystique of the Latino Woman"; Lydia Ledesma, De Anza Community College dean of intercultural/international studies.

School of Communications, 8 p.m., Carnegie Cinema. Presentation titled "Breaking Barriers," by Abraham Amoros, legislative assistant to State Senator Mike Bortner and Penn State alumnus.

### Friday, Nov. 20

Puerto Rican Student Association, noon, Paul Robeson Cultural Center. Puerto Rican Awareness Week presentation titled "Breaking Barriers," by Abraham Amoros, legislative assistant to State Senator Mike Bortner and Penn State alumnus.

### Sunday, Nov. 22

Penn State Altoona Campus, 8 p.m., Community Arts Center. Musical performance by folk, blues and gospel group "Fairfield Four."

### Tuesday, Nov. 24

Professional Women at Penn State, 11:45 a.m. to 1 p.m., Eisenhower Auditorium Frizzell Room. Presentation titled "Overcoming Obstacles to Professional Advancement at Penn State," by College of Science Dean Gregory Geoffroy and College of the Liberal Arts Dean Susan Welch. For more information, contact Barbara Kennedy at 863-4682.

### Wednesday, Dec. 2

Center for Women Students, noon to 1 p.m., 120 Buckoe. Brown bag lunch film/discussion titled "Fighting for our Lives — Women Confronting AIDS," by Elaine Jurs, Office of Health Promotion and Education assistant director.

Penn State Native American Indian Student Association, School of Communications, 6 to 10 p.m., Carnegie Cinema. The first of a two-day film festival titled "Native American Images: Myth and Reality." Scheduled movies will include: "The Movie Reel Indians," at 6 p.m.; "Heathen Intims and the Hollywood Gospel"; 6:35 p.m.; "The Crow Shoshone Sun Dance," 7:25 p.m. and "The Spirit of Crazy Horse," 8:45 p.m.

### Thursday, Dec. 3

Penn State Native American Indian Student Association, School of Communications, 6 to 10 p.m., Carnegie Cinema. Second of a two-day film festival. Films will include: "Columbus Day, 1992, A Day of Mourning," 6 p.m.; "The New Pequot: A Tribal Portrait," 6:25 p.m.; "The Learning Path," 7:45 p.m. and "Incident at Oglala," 9 p.m.

### Through Dec. 11

Paul Robeson Cultural Center, 9 a.m. to 5 p.m., Paul Robeson Cultural Center. An African/Black American photographic display of works by Zarah Whitby, a Penn State senior majoring in photography.

## NEWS IN BRIEF

### Global free trade

A conference on "Trade Union Response to Global Free Trade" is being held today and tomorrow in the Keller Conference Center at University Park.

The conference has been organized by the Australia-New Zealand Studies Center in cooperation with the Department of Labor Studies and Industrial Relations.

Featured speaker at the conference at 8 tonight is Lynn Williams, international president of the United Steel Workers of America, who will discuss "American Union Perspective on Free Trade."

For further information, call 863-1603.

### Thanksgiving closing

The Penn State Information and Directory Assistance Office will be

closed for Thanksgiving Day, Nov. 26. Normal hours of 7:30 a.m. to 11 p.m. will resume on Friday, Nov. 27.

### Visiting lecturers

Donald W. Davis, retired chairman and ceo of The Stanley Works, will be a guest lecturer, along with his son, Palmer, advertising copywriter at Ally & Cargano (New York City), in the School of Communications and College of Business Administration, on Monday, Nov. 23.

Mr. Davis began his business career in 1949 with The Stanley Works and served in various positions before becoming executive vice president in 1962, chief executive officer and president in 1966, and ceo and chairman in 1977. He retired in May 1989.

Mr. Davis, a graduate of State

College High School, is a 1942 journalism graduate of Penn State and was honored as a Distinguished Alumnus in 1972 and Alumni Fellow in 1973. He received an M.B.A. from the Harvard Business School in 1948. He is the son of the late Donald W. Davis Sr., professor and founding head of the advertising department at Penn State.

### Public talk

Sport psychologist David Yukelson will give a public talk on tennis and psychology at 7:30 p.m. Thursday, Dec. 3, at the Penn State Tennis Club at University Park. Anyone interested in tennis, including children and their parents, is invited to attend. For more information, contact Terry Bobbitt, head tennis professional for the Tennis Club, at 865-1351.

## "Share the Dream"

In honor of Martin Luther King's birthday and to promote activities that will take place the week of Jan. 17-23, "Share the Dream" t-shirts and buttons will be available to the University community beginning Friday, Nov. 20. The cost of the t-shirt is \$10 and can be purchased at various locations on the University Park Campus including, 235 Grange Building, Eisenhower Chapel and the Paul Robeson Cultural Center. The buttons, which are free, can be picked up in the Hub and Kern Graduate Building.

The multicolored design of both the button and the t-shirt is derived from an African Kente cloth. The colors and patterns of Kente cloth hold special significance to those who wear it, usually representing a historical event or designating family lineage or royalty. Kente cloth is normally worn during celebrations.

More information about the Martin Luther King celebration will be forthcoming in future issues of the *Intercom*.



# CQI

## Continued from Page 1

from the administrative level, a leader from within a unit and a facilitator, who is from another unit — all with specific responsibilities. The team is made up of people with different, but compatible backgrounds and skills, all working toward clearly identifiable goals.

"A successful CQI team truly works in a democratic manner, with team members representing all levels who work on or participate in the process that will be reviewed, regardless of their rank," Ms. Sandmeyer noted.

Ideally, a project begins when an administrator committed to continuous quality improvement defines what process should be studied. He or she appoints a team leader and contacts the CQI Center for assistance in identifying a facilitator; the sponsor and the team leader work together to select members of the team.

The vital role of the sponsor includes duties such as defining and identifying customers or clients, the processes for study and the department's vision. He or she initiates the formation of the team, constantly communicates to the team through the team leader, and supports the team's activities.

A team leader coordinates information between the sponsor and the team, oversees the logistics such as meeting schedules, and acts with the facilitator to implement the team's use of the problem-solving model.

A facilitator, who is from another department, teaches the team how to use the various CQI tools, assists members in communicating with each other, and helps reach decisions by consensus.

"Usually, the entire team attends core training sessions on CQI," Ms. Sandmeyer said. "As data is collected, team members review the information together and brainstorm on how to improve the current process."

At the conclusion of the team project, the team leader and facilitator will write a report, summarizing the process studied, the data collected and the specific recommendations for improvement, to be given

to the sponsor and the CQI Center. The sponsor will report back to the team and the CQI Center on how the proposed solutions have been implemented.

And how is the CQI process working? In the past 12 months, many units are embracing the CQI idea as they have set up teams to study different processes. In fact, 10 teams already have completed their initial reviews, made recommendations and implemented preliminary changes in their unit.

"We're seeing the quality of services improving in some areas," Ms. Sandmeyer said. "But again, don't forget that CQI is an ongoing process and is never completely finished, if the unit is truly interested in quality management. Therefore, current teams always will be challenging the systems of operation in their units; and we hope that other unit administrators will be enthusiastic and study ways to practice quality in their units."

### CQI working at the Bursar's Office

"One of the main concerns in our office was the long line of students seeking service at registration," said Bill Miller,

associate bursar and team leader. "We thought this would be a good project to tackle."

The team included two tellers, the refund supervisor, a staff member who used to work in refunds, and a staff member who worked in the payroll area.

"CQI was a new concept for us," Mr. Miller recalled. "It was a little slow getting started. At first, everyone was overzealous to tackle the problem immediately, but we found it was better to follow the CQI process and survey the students and our peers."

The team prepared an issue statement which was to reduce the waiting time in the refund line for the 1992 fall semester. The average waiting time was 30 minutes for students picking up refunds or endorsing their Stafford Loan checks. The long lines would often wind out the door and down the front steps.

Because of busy individual schedules, the team decided to meet an hour-and-a-half once a week. With the fall semester fast approaching, much of the analysis was based on input gathered from discussions with staff who worked directly with students and employees. A small survey of students was done during summer session.

were set. Everyone knew each other, and we could talk openly. It's important to have a good facilitator, who was Ro Nrwanski from Student Financial Aid. She did an excellent job."

"It was particularly important to get the front-line staff involved in the CQI process so it's their own ideas being implemented. And the students seem really appreciative of the changes."

The team is now taking steps to make sure that the improvements that were made in the fall will remain in place for the spring. The team also is addressing additional new concerns that are unique to the spring semester.

Sponsor: Roseann Stemski. Leader: Bill Miller. Facilitator: Ro Nrwanski. Team: Leeann Rossman, Linda Barner, Robert Hippo, Bobbi Watson, Donna McClain.

### CQI working in the classroom

The Eberly College of Science and the College of Engineering jointly decided to tackle the process of teaching basic physics to undergraduate engineering students.

"The basic question is, how can we improve the teaching and learning of introductory physics for engineering students to improve their preparation and increase the likelihood of their retention as engineering majors?" said Howard Groch, the team leader and head of the Department of Physics.

The team, appointed by Deans Gregory Geoffroy of Science and Carl Wolgemuth of Engineering, includes department heads, faculty and students, as well as Diane Enerson, director of the Instructional Development Program.

Last spring, the team ran a survey of all students enrolled in Physics 201 as well as one of students who have switched out of engineering. In addition, physics and engineering faculty were contacted and asked to provide feedback to the team.

After studying the information obtained, the team developed recommendations. Among those currently under consideration are increasing expectations of student attendance, class participation and performance on quizzes; jointly developing examples to illustrate physics principles in a modern engineering context; and team problem solving in recitation sections.

"The information gathered by the team as well as the recommendations made will be of value to the faculty involved in teaching the introductory physics courses. They also will be useful in convincing the administration to provide needed resources," Dr. Groch said. "We want to try some new things in the fall and spring, and we hope to solicit more participation from the faculty," he added.

Sponsors: Gregory Geoffroy and Carl Wolgemuth. Leader: Howard Groch. Facilitator: Michael Douris. Members: Larry Buehler, Joseph Conway, Anil Kulkarni, Reinhard Graetzer, Paul Sokol, James Whitmore, James White, Glenn McMillen and Diane Enerson.

Reflecting Penn State's efforts to continuously improve, the teams featured in upcoming issues of *Intercom* will include The Smeal College of Business Administration and General Stores at University Park.



CQI in the classroom... James Whitmore, professor of physics and a member of the CQI Team, conducts an experiment for a class in Osmond Laboratory.

The team made some recommendations, which were implemented. Two additional refund windows were opened. Because handling refunds was stressful, other staff members were trained to handle refund tasks, and therefore the employees could rotate their assignments every two hours.

Directional signs were placed in the lobby and at the teller windows. Boxes for dropping off completed forms were placed at either end of the lobby. Students were encouraged to accept refund checks through the mail.

The results so far? The average waiting time has dropped to 10 minutes.

"A key factor in the CQI process was to empower the employees who deal with the students to analyze and solve the problem," Mr. Miller said. "In the beginning, ground rules for the meetings



CQI in action... Trudi Holsopple, a staff assistant in the Bursar's Office, is helping a student obtain a refund check.

Photos: Greg Grieco

### Horn ensemble

The Penn State Horn Ensemble will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include works by Brahms, Mozart and Wagner.

who demonstrates conclusively that his famous son's voice is in the family tradition. They team with Modena's historic Rossini Choral, an amateur group with whom they both once sang, in a melting rendition of the traditional Italian melody "La Giana".

Highlighting the telecast will be a rare view of Caruso in his only commercial film, 1918's "My Cousin." Other vintage clips: Gigli in "La Gioconda," Schipa singing "Torna piccina mia," and Di Stefano in "Lucia di Lammermoor."

### 'Bandorama '92'

The Penn State Blue Band will present its annual showcase at 8 p.m. Friday, Nov. 20, in Eisenhower Auditorium at University Park.

The concert will feature music from halftime performances, Penn State school songs and stadium favorites.

The Blue Band, under the direction of Ned C. Deihl and O. Richard Bundy, will be joined by the Touch of Blue and the Blue Band Silks. Drum major Tom Roberts also will conduct. John Mitchell, who recently won the title of World Champion Male Twirler, will perform in his final appearance.

A short pops concert by the Symphonic band will open the show.

Tickets are \$8 for adults, \$6 for students. For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

### Opera workshop

The Penn State Opera Workshop, under the direction of Marshall Urban, instructor in music, and assistant director Karen Eckert, graduate assistant, will present a program of opera scenes at 8 p.m. Sunday, Nov. 22, in the School of Music Recital Hall at University Park.

The program will feature scenes from Mozart's "Marriage of Figaro" and "Così fan tutte," Gluck's "Orfeo and Eurydice," Purcell's "Dido and Aeneas," and Gilbert and Sullivan's "Mikado" and "H.M.S. Pinafore."

The performance is free to the public.

### Brass choir

The University Brass Choir, under the direction of Joseph Skillen, will present a concert at 8 p.m. Monday, Nov. 23, in the School of Music Recital Hall at University Park.

A motet and fanfare by the Renaissance composer Josquin des Pres opens the program which features music from the Renaissance through the 20th century. Selections by American composers Samuel Barber and Verne Reynolds follow. Richard Wagner's "Funeral Music" from Die Gotterdammerung, concludes the first half of the program. The sec-

ond half of the program contains a set of English madrigals by Thomas Morley and a tone poem by John Hartmeyer. Fisher Tull's Liturgical Symphony for Brass and Percussion closes the program.

The ensemble is comprised of both music majors and nonmusic majors. In existence since 1965, the Brass Choir maintains a reputation for presenting quality programs of music specifically written or transcribed for this medium.

The concert is free to the public.



Robert O. Sherman

viewer," he says.

He has exhibited in shows across the country, including the Detroit Art Institute, University of Michigan, Los Angeles County Art Museum and Central Pennsylvania Festival of the Arts.

The exhibit runs through Dec. 9 and can be seen Tuesdays through Thursdays, noon to 8 p.m.; Fridays and Saturdays, noon to 4 p.m. The galleries are closed Mondays and Sundays.

### Steelworkers exhibit

An exhibit celebrating the 25th anniversary of the United Steelworkers of America (USWA) Archive is on display in the main lobby of Pattee Library at University Park through Jan. 29, 1993.

It features photographs, documents and memorabilia relating to the creation of the USWA Archive at the University Libraries and the 50th anniversary of the Steelworkers union which also is being celebrated in 1992. Items from the first constitutional convention of the USWA held in 1942 include a congratulatory telegram from Franklin D. Roosevelt in which he exhorts the union members to reach "the maximum of steel output...at the earliest possible moment" in order to assure victory in World War II.

The creation of the USWA Archive in 1967 was a precedent-setting action by which the Steelworkers union entrusted the care and preservation of its historical records to Penn State. The relationship between Penn State and the Steelworkers flourished and has resulted in the collection of over 3,000 cubic feet of documents, photographs, movie film and oral histories. The archive includes records from the USWA International Executive Board, elected officials, staff departments and selected district offices and union locals. It continues to expand and grow each year as additional material is deposited, arranged and opened for use by interested students and scholars.

The USWA Archive is located in the Historical Collections and Labor Archives (HCLA), West Pattee Library. For more information, please write or visit the HCLA, W313 Pattee Library, University Park, PA 16802 or call (814) 863-2505.



### Odyssey on WP5U

Ukrainian poet Oksana Zubzhko, a visiting Woskojo Fellow in the Humanities, reads and discusses her poetry on the next Odyssey Through Literature broadcast, "Through the Smokescreen of Familiarity."

"My major concern as a poet," she tells host Leonard Rubinstein, "is the loneliness of the arts in a present-day civilization, the problem of culture in a very brute sense of the word."

### Noh drama

English/Japanese productions of the Noh drama, "Sumidagawa" and the Kyogen, "Suehrogari," will be presented at 7:30 p.m. Tuesday, Nov. 24, in the Pavilion Theater at University Park.

The Noh drama "Sumidagawa" tells the tale of a mother searching for her lost son. As she crosses the Sumida River, she realizes that the religious service being held nearby is for this son whom, she learns, died a year earlier.

The Kyogen (comedy) is felicitous in nature, involving the foibles of a servant, Tarokaja, who is sent to the capital to purchase a "suehrogari," but he doesn't know what a "suehrogari" is.

Dating from more than 600 years ago, the classical Noh and Kyogen are two of the world's oldest theater forms. Students of Japanese culture can benefit from these performances which are sponsored by the Department of Theatre Arts, the College of Arts and Architecture, the College of Liberal Arts and the Institute for the Arts and Humanistic Studies.

Andrew Tsubaki has staged the plays to be presented. A recognized scholar of Japanese theater, Dr. Tsubaki is professor of theater and East Asian languages and literature at the University of Kansas, where he also heads the International Theater Studies Center.

Both plays will be done in English with authentic staging and movement. The Noh chanting will be in Japanese, but a translation of the passages, will be printed in the program.

For more information, contact Richard Nichols, professor of Asian theater, at (814) 863-1455.

### Watercolors exhibit

The Hetzel Union Art Galleries is presenting original watercolors by Robert O. Sherman in a public sale and show titled "Watercolors, and Watercolors with Pastel," in the Browning Gallery of the Hetzel Union Building at University Park.

Mr. Sherman's brush strokes are quiet washes of color, invoking pastoral images not unlike the mountain ridges, rolling valleys and evening sunsets familiar to residents of Happy Valley.

"The object of my paintings is to show a scene of pleasing design and color by arranging the objects to convey a sense of mystery and peace and to provide a strong emotion to the



The program will include works by Brahms, Mozart and Wagner.

### Centre Stage directors

Pennsylvania Centre Stage, Penn State's summer professional theater, has named nine new members to its board of directors.

The new members are Michael Artman, chief of radiology at Mercy Hospital, Altoona, and Nason Hospital, Roaring Spring; John Atkinson, regional vice president of United Federal Bank, Millie Jeffries, office manager at Polestar Plastics; Christine Caffrey Johnson, who serves on the Princeton School Committee and the Princeton Alumni Association; Fran Levin, general manager, Atherton Hilton; Ted McDowell, president, Commonwealth Bank; Ginny Pearson, research associate, Penn State Office of Marketing Research; Mann Sheeler, general manager, State College Ford Lincoln Mercury, Inc.; and Joe Trimarchi, owner, Towne Gentlemen.

The board of directors is a volunteer organization responsible for fund development for Pennsylvania Centre Stage.

### Poetry reading

The Department of Spanish, Italian and Portuguese and the Spanish Club will present a poetry reading in Spanish by Fernando Opere at 8 p.m. Friday, Nov. 20, in 101 Kern at University Park.

Professor Opere, associate professor of Spanish at the University of Virginia, will read from his own works. Director of the Spanish Drama Group at the University of Virginia, he has published several volumes of poetry.

The reading is open to the public.

### The arts on Channel 3

Italy's favorite musical son explores the unique singing style of his legendary countryman-tenors in "Pavarotti and the Italian Tenor" at 9 p.m. Friday, Nov. 20, on Great Performances on WP5U-TV, Channel 3. The opera superstar discusses the careers of Enrico Caruso, Beniamino Gigli, Tio Schipa and Giuseppe Di Stefano.

Joining Pavarotti in the program is his father, tenor Fernando Pavarotti,

PHOTO BY JEFFREY M. HARRIS FOR THE COURTESY OF PENN STATE

# University Park Calendar

## Nov. 19 — Dec. 6

### SPECIAL EVENTS

#### Thursday, Nov. 19

Marker Lectures, 11:15 a.m., 112 Buckhout Lab. Frank Ruddle on "Functional Interplay of Genes at the Chromosomal Level."  
Noontime concert, Kern Lobby, Gordon Law and Friends.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Hom Ensemble.  
STS Lecture Series, 7:30 p.m., 112 Walker. John Truxal on "Electronic Messages: For Good or Evil?"

Colloquy, 8 p.m., 10 Sparks. Robert Resler, former FBI criminologist.  
School of Music, 8 p.m., Recital Hall. Kim Cook, solo.

Department of Spanish, Italian and Portuguese, Josephine J. Rhea Lecture in Italian Letters, 8 p.m., 110 Wartik. Peter Bondanella on "The Birth of an Auteur: Federico Fellini's Artistic Origins."

Friday, Nov. 20  
Geography Coffee Hour, 3:30 p.m., 319 Walker. Rick Day on "GIS Applications in Soil Science."

Shaver's Creek, 7-9 p.m. Autumn Stargazing Program.

Penn State Blue Band, 8 p.m., Eisenhower Aud. "Bandorama."

Dept. of Spanish, Italian and Portuguese, poetry reading, 8 p.m., 101 Kern. Fernando Opere.

Sunday, Nov. 22  
Penn State Dance Program, 1:30 p.m. and 4:30 p.m., 133 White Bldg. "Choreographer's Showcase—Fall '92."

Penn State Philharmonic, 3 p.m., Recital Hall. Pops Concert.

Friends of the Palmer Museum of Art, 3.5 p.m., Nittany Lion Inn. 1992 Holiday Ornament Exhibition and Sale.

Penn State Opera Workshop, 8 p.m., Recital Hall. Program of opera scenes.

Monday, Nov. 23  
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Irene Harvey on "The Sacred in Pedagogy."

University Brass Choir, 8 p.m., Recital Hall. Concert.

Tuesday, Nov. 24  
Marian B. Gardner Lecture in Cable Television Entrepreneurship, 10 a.m., 101 Kern. Robert M. Rosenkrans on "Perspectives on the Evolution of Cable TV."

Professional Women at Penn State, 11:45 a.m., Eisenhower Chapel. Gregory L. Getroly and Susan Welch on "Breaking Through the Barriers: Taking Charge of Your Career at Penn State."

Japanese Noh drama and Kyogen, 7:30 p.m., Pavilion Theater.

Monday, Nov. 30  
Comp. Lit. Luncheon, 12:15 p.m., 101 Kern. Judith Van Herik on "The Religious Life of Ely Hillems."

Penn State Trombone Choir and Tubaphonium Ensemble, 8 p.m., Recital Hall.

Tuesday, Dec. 1  
"Team Penn State" 3:30-5 p.m., Nittany Lion Inn. United Way Campaign finale.

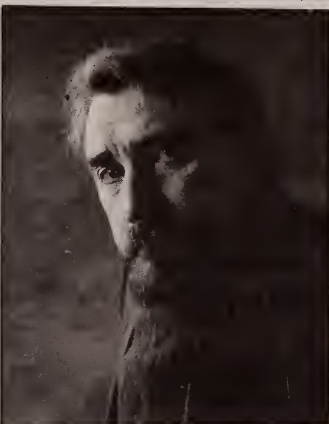
Wednesday, Dec. 2  
Center for Women Studies, Brown Bag Lunch Series, noon, 120 Boucke. Elaine Jurs on "Fighting for Our Lives—Women Confronting AIDS."

Native American Indian Association and School of Communications Film Festival, Carnegie Cinema. "The Movie Reel Indians" and "Heathen Injuns and the Hollywood Gospel," 6 p.m.; "The Crow Shoshone Sun Dance," 7:25 p.m.; "The Spirit of Crazy Horse," 8:45

p.m.

Thursday, Dec. 3

Native American Indian Association and School of Communications Film Festival, Carnegie Cinema. "Columbus Day, 1992: A Day of



Composer Dennis Eberhard will introduce the Pennsylvania premiere of his Suite for Solo Cello at 8 tonight in the School of Music Recital Hall at University Park.

Photo: Herbert Ascherman Jr.

Mourning," 6 p.m.; "The New Pequot: A Tribal Portrait," 6:25 p.m.; "The Learning Path," 7:45 p.m.; "Incident at Ogala," 9 p.m.

Friday, Dec. 4  
Geography Coffee Hour, 3:30 p.m., 319 Walker. Cindi Katz on "Displaced: Children and Everyday Life in New York and Sudan."

Saturday, Dec. 5  
Shaver's Creek, 9 a.m. to noon and 1 to 4 p.m. Wreathmaking Workshop. Also Dec. 6, 1 to 4 p.m. Call 863-2000.

### PUBLIC RADIO

WPSU-FM 91.1  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubenstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Monoliths in the Sciences at Penn State," 12:30 p.m. Thursday.

Big 10/CIC MEETINGS  
Nov. 23-24. Big Ten Business Officers, 35 attendees; Nittany Lion Inn.

### CONFERENCES

Nov. 19-20. The Trade Union Response to Global Free Trade; 25 attendees; Nittany Lion Inn; J. Keller, chair; R. Maclean, coordinator.

Nov. 19-20. All College Conference; 450 attendees; Gary Peterson, chair.

Nov. 20-21. PACB Fall Leadership Retreat; 15 attendees; Nittany Lion Inn; M. Berger, chair; E. Loop, coordinator.

Nov. 30-Dec. 4. Chemical Lehman Logistics Program; 35 attendees; Nittany Lion Inn; R. Rose, chair; J. Mencher, coordinator.

Dec. 1-11. Management Program for Natural Resource Managers; 42 attendees; Nittany Lion Inn; J. Mencher, coordinator.

### SEMINARS

Thursday, Nov. 19  
Ceramic Science, 11 a.m., 301 Steidle. George W. Scherer, DuPont, on "Freezing Gels."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Dan Henza, HPD Systems.

Friday, Nov. 20  
Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. Marjatta Lyrra, Temple, on "High Resolution Inelastic Neutron Scattering with Stimulated Emission Pumping."

Agronomy, 3:35 p.m., 101 ASI Bldg. Richard F. Urz on "Diagnosis in Neurologic Treating Acid Mine Drainage."

Computer Science, 4 p.m., 325 Whitmore Lab. Paul Van Dooren, Univ. of Illinois, on "The Periodic Schur Algorithm and Applications."

Monday, Nov. 23  
Center for Research in Conflict and Negotiation, 10:30 a.m., 327 Beam. Clayton Alderfer, Yale Univ., on "A Field Experiment for Studying Race Relations Embedded in Organizations."

Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Engineering. Eric Lowe on "Evaluation of a High Application Rate of Chemical Conditioner."

Entomology, 3:45 p.m., 107 ASI Bldg. Sylvester Chyb on "Gustatory Response to Plant Volatiles in Western Corn Rootworm."

Tuesday, Nov. 24  
Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Engineering. Yansheng Lu on "Aspects Processing of Particles."

Plant Pathology, 1 p.m., 112 Buckhout Lab. William McCarthy on "Tobacco Receptors (?) as Determinants of Tissue Specificity of the Bactericide Bacillus thuringiensis."

Chemistry, 3:30 p.m., SS Osmond Lab. Barry Honig, Columbia Univ., on "The Free Energy Balance in Protein Folding."

Nutrition, 4 p.m., S-209 Henderson. Mark Dreher, M&M/Mars, on "An Industry Perspective of Fat Replacers."

Monday, Nov. 30  
Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Engineering. Christine Retherford on "In Situ Water Content and Electrical Conductivity Measurements in a Greenhouse Application."

Tuesday, Dec. 1  
Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Engineering. Wade Chamberlain on "Remote Control of a Tractor for Use in Research & Roll-Over Safety Demonstration."

Plant Pathology, 1 p.m., 112 Buckhout Lab. David Truxal on "Secondary Inoculum Development of Grape Blackrot and

Weather Data Inputs to Expert Systems." Chemical Engineering, 3 p.m., Roberson Cultural Center. Andrew M. Kryamik, Sandia National Laboratory, on "Foam Rheology Goes to Hollywood."

Biology, 4 p.m., 8 Mueller Lab. Tak-Chung Lau on "Effects of Soil Fertility on Pollen Performance in *Quercuta pepo*."

Wednesday, Dec. 2  
Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Engineering. Myron Worley on "Control of Respirable Particulates in Livestock Housing with a Non-traditional Ventilation Scheme."

Engineering Science and Mechanics, 3:35 p.m., 314 Hammond. Scott Wymer on "Intuition in the Sciences."

Biology, 4 p.m., 8 Mueller Lab. Douglas Fry Meeks-Wagner, Univ. of Oregon, on "Genetic Regulation of Inflorescence Initiation and Development."

Thursday, Dec. 3  
Gerontology, 3:45 p.m., 106 Mitchell. Paul Gilinger on "New Directions in Alzheimer's Disease."

Biology, 4 p.m., 8 Mueller Lab. Cindy L. VanDer, Woods Hole, on "Shedding Light on Mid-Atlantic Ridge Vent Communities: Ecology and Photobiology of Swarming Shrimp."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Soundar Kumara.

Friday, Dec. 4  
Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Engineering. Janshin Liu on "Modeling of Eggshell Damage During Rapid Cooling."

Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond Lab. Marilyn Karma, Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Hamid Sabounian, Univ. of Cambridge, on "Evolutionary Dynamics Played by Machines."

Agronomy, 3:35 p.m., 101 ASI Bldg. Eva Pell on "Ozone Induction of Accelerated Foliar Senescence."

### Exhibits

Chambers Gallery  
Collaborative Postcard Prints, through Dec. 4.  
Hetzel Union Building  
Lobby:

"Buy Recycled" exhibit, through Dec. 19.  
Art Alley:  
Romslaying by Denise Zellner, until Nov. 29.

Browsing Gallery:  
Watercolors by Robert O. Sherman, through Dec. 9.

Formal Gallery:  
"Masks and Transformations" by Kathleen Jacobson Frank, through Dec. 9.

Kern Galleries:  
Jewelry by Denise Aivie, until Dec. 11  
Comics by Maria T. Scheeter, until Dec. 11  
Penn State Intercom's "Focus on Research," until Dec. 11.

Pattis Library  
West Lobby Gallery:  
"Art Movement in Saudi Arabia," until Nov. 30.

Lending Services Gallery:  
Batik wall hangings by Renee Dobrneck, until Nov. 30.

Zoller Gallery  
School of Visual Arts Faculty Exhibition, until Dec. 10.

Reflects an international perspective



# Holiday Shop

## Penn State Bookstore

We appreciate our customers! This has been the theme of the Penn State Bookstore's Annual Appreciation Sale for the past 14 years. The bookstore on campus will welcome the University community to take advantage of the 20 percent savings on almost everything in the store—general books, Penn State gifts and clothing, art materials, supplies and holiday items—on Monday, Dec. 7, and continuing through Wednesday, Dec. 23.

In the General Book Department, customers can browse through aisles of books by faculty and local authors, Penn State Press books, a large selection of paperback and hardbound bestsellers, classics, poetry, mysteries, science fiction, art books, humor, computer books, nature, reference, biographies, history, and a fine selection of children's literature and cookbooks. A selected number of hardbound bestsellers already are on special sale at \$3.99 each and current *New York Times* bestsellers are discounted 25 percent every day.

In addition to a large number of titles, the department offers a variety of calendars and datebooks for 1993, t-shirts featuring famous authors, the "Penn Stateopoly" game, puzzles and educational games for children.

During the week of Dec. 7, the bookstore will hold its annual "Celebration of Authors" featuring several local authors who will be available to sign and discuss their recently published books.

A new item in the General Supply Department this year is "Happy Valley Cooking Concoctions," a collection of hot and spicy sauces for \$32.00 (reg. \$40.00).

The Art and Engineering Department is offering 20 percent off all color film, and a large selection of art and technical supplies for the beginning or skilled artist.

The bookstore also carries a large selection of insignia clothing and gifts in traditional collegiate styles and contemporary fashions. Some of the Penn State gifts include etched glass paperweights at \$15.16 (reg. \$18.99), traditional pewter mugs at \$7.56 (reg. \$21.95), ceramic Old Main replica \$27.96 (reg. \$34.95), Matchbox trucks and the new "Loop Bus," coffee mugs and glassware, all discounted for the sale. Sportswear on sale includes sweatshirts with embroidered insignia, golf hats, women sweaters, t-shirts and clothing for infants and children on your gift list.

The Penn State Bookstore on Campus welcomes the University community seven days a week: Monday through Thursday, 8 a.m. to 8 p.m.; Friday, 8 a.m. to 5:30 p.m.; Saturday, 9 a.m. to 5 p.m., and Sunday noon to 4 p.m. The bookstore will be closed from Dec. 24 through Jan. 3 in accordance with the University schedule.

For more information about the Annual Appreciation Sale, please call Elizabeth Wilson at 863-3250.

## Penn State Press

The Penn State Press is offering a select list of titles to University faculty, staff and students at special prices during the holiday season to encourage the giving of books as gifts. A sampling of the books with their sale price is listed below.

As a special on *The Allegheny River* by Jim Schafer and Mike Sanja, anyone buying two books at their sale price will receive a 40 percent discount (\$24.00) on the purchase of this lavishly illustrated gift book. The sale begins Dec. 1 and will end Dec. 20.

Stop by the Press in Suite C, Barbara Bldg. (also known as the Incubator Bldg.), 820 N. University Dr., between 8 a.m. and 5 p.m., including lunch hours for your convenience. There's plenty of parking available.

Newest books available at 40 percent discount include:

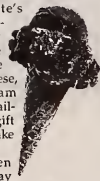
- Alexander, *Eugene O'Neill's Creative Struggle*, \$18.
- Berg, *The Visual Novel*, \$23.70.
- Burke, *New Perspectives on Historical Writing*, cloth: \$19.50; paper: \$8.37.
- Driskel, *Representing Belief*, \$29.
- Gates, *Richard Aldington*, \$29.70.
- Johnston, *The Iliad Cycle*, cloth: \$33; paper: \$10.

## The Creamery Store

For this holiday season, patrons may purchase Penn State's famous ice cream in many flavors ranging from "Peachy Paterno" to "WPSX Coffee Break."

The Creamery-made cream cheese, cheddar cheese and cream cheese spreads also are available. In addition, cheese gift boxes from the Creamery make an excellent party-going gift.

The Creamery is open from 7 a.m. to 10 p.m. Monday through Friday; 8 a.m. to 10 p.m. Saturday; and 9 a.m. to 10 p.m. Sunday.



## Horatio's Natural History Bookstore and Gift Shop

Horatio's Natural History Bookstore and Gift Shop at Shaver's Creek Environmental Center carries items for people of all ages on your holiday gift list.

Horatio's carries identification guides, such as *Peterson Field Guides and Audubon Society Field Guides*; a variety of pocket guides, and informative books such as Stokes' *A Guide to Bird Behavior and Horals In Flight*.

Books are available on topics like butterflies, wildflowers, bats, the night sky, geology, birding, trees and birds of prey, for both adults and children. There is a broad selection of books for children at Horatio's, from stories and picture books to beginners' field guides and nature activity books.

Educators will find a good selection of resources for integrating the environment into their teaching. For adults, classic and contemporary writing about the environment and natural history can be found on the shelves at Horatio's.

Horatio's offers bird feeders and bird feeding accessories that will provide hours of close-up bird watching. The shop carries Droll

Yankee and Aspects bird feeders—including songbird and hummingbird feeders—bluebird houses, metal and mesh suet feeders, a children's window feeder, children's bird books, and a variety of books for the backyard birder.

A limited edition conservation print by Karl Leitze is available for purchase at Shaver's Creek; all of the proceeds support the Raptor Center.

Shaver's Creek Environmental Center is nestled in the woods of Rothrock State Forest at Stone Valley, about 20 minutes from downtown State College. Visitors to Shaver's Creek can explore more than 25 miles of hiking and skiing trails; an exhibit room with live animals, and the Raptor Center where injured eagles, hawks and owls are cared for and rehabilitated.

Shaver's Creek is located 14 miles south of State College off Route 26. Open seven days a week from 10 a.m. to 5 p.m. The Center will be closed Thursday, Dec. 24, through Saturday, Jan. 2. For further information, call (814) 863-2000.

## Alumni Association

You don't even have to step off campus to shop for those special alumni or friends of Penn State on your list. These gifts can be obtained either at the Penn State Bookstore (all campuses) or at the Alumni Association (by stopping by 105 Old Main or calling 865-6516).

If a picture is worth a thousand words, then the *For the Glory* photo book must be worth millions. It makes an elegant coffee table book any Penn State fan can be proud of.

The exquisite photographs evoke nostalgia as they portray all of Penn State's faces—perfect for a leisurely armchair stroll down memory lane. It's at the bookstore.

If the way to a Penn State's heart is through his or her stomach, then *Cookin' With The Lion*, the Alumni Association cookbook, is the ideal gift. The 275 recipes will conjure up recollections of tailgates past and other fun times. A sampling of the dishes: Lion's Loins, Better-Than-HUB Asparagus,

Cood Casserole, Mint Nittany Cookies and The Lion and the Mousse. *Cookin' With The Lion* is available at the bookstore.

Also at the bookstore are Nittany Lion statuettes. Other gift ideas include armchairs, rocking chairs, wristwatches, alumni license plates and Alumni Association memberships. These are all available at the Association office in Old Main.

Maiorino, *Leonardo Da Vinci*, \$21.

Melander, *The Limits of Love*, paper: \$7.75.

Montague, *General Walter Bedall Smith*, cloth: \$27; paper: \$9.

Pfaff, *Joseph Pulitzer II and the POST-DISPATCH*, \$18.

Sturm-Maddox, *Petrarch's Laurels*, \$23.70.

Walker, *Drug Control Policy*, paper: \$8.37.

Williams, *Origins of Federal Support for Higher Education*, \$18.

For a complete list of titles or more information, call the Penn State Press at 865-1327.



## Holiday Golf Information

The tournament course will remain open through Sunday Nov. 29, weather permitting. The Blue Shop will then be closed for the year.

Construction is complete on the new golf holes. They will be put in play some time during the 1993 season. Central operation of the courses from the Blue Shop location will resume opening day in the spring. Plans for clubhouse development continue with construction to occur in mid to late 1993.

The old White Shop in the back of Recreation Building will be re-opened for Christmas retail sales on Dec. 1, and will operate seven days a week during regular winter hours, 9 a.m. to 5 p.m., Tuesday through Saturday. Discounts will be offered on the entire golf shop stock, including top quality Penn State golfwear, golf clubs, golf shoes, golf bags, golf balls and gloves. Visa/Mastercard/Discover accepted. Gift wrapping will be available.

The White Shop will close at 3 p.m. Dec. 23. It reopens Tues., Jan. 5, for Christmas returns and membership sales and resumes its regular winter operating schedule.

For more information on Penn State golf, contact Jeff Mowser at (814) 863-0254.



# ping Guide



## The Center for the Performing Arts

The Center for the Performing Arts is offering two performances of the enchanting holiday classic, "The Nutcracker," at 8 p.m. Friday, Dec. 4, and 3 p.m. Saturday, Dec. 5.

The Louisville Ballet will perform the ballet that has been a source of wonder and delight for all ages. For many, it is as much a part of the holiday tradition as egg nog and caroling. This season offers a special cause for celebration as it marks the centennial of Tchaikovsky's splendid "Nutcracker Suite."

Tickets are \$24, \$20 and \$18 for non-students, and \$20, \$16 and \$14 for students. A 15 percent discount is available for groups of 15 or more. For group ticket information, contact the group sales coordinator at (813) 865-1871.

The center is asking its patrons for additional generosity this holiday season. Donations of canned or non-perishable food items will be accepted during all performances. All proceeds will benefit the Food Bank of State College.

Gift certificates for Center for the Performing Arts events are available in all amounts at Eisenhower Auditorium's Ticket Center. Gift certificates can be applied to any performance and are redeemable during the 1992-93 season. A few of the upcoming events include "A Chorus Line," Alvin Ailey American Dance, Lionel Hampton, "Carmen" and "Porgy and Bess." For more information, please call the Ticket Center at (814) 863-0255.

The holiday classic "The Nutcracker."



## Something for everyone

### ♦ HOLIDAY ARTS AND CRAFTS SALE

Penn State's Arts and Crafts Center is sponsoring a holiday arts and crafts sale. The sale will take place on the first floor of the Hetzel Union Building (HUB) from Tuesday, Dec. 1, through Friday, Dec. 4. It will be open from 10 a.m. to 5 p.m. each day.

This is an annual event during which local artists and crafts people display their original works and offer them for sale. Items will include pottery, jewelry, textiles and other mediums. Items will be very affordable and range in size and variety.

Come and browse and perhaps find a special handmade gift for somebody special. Call (814) 863-0611 for more information.

### ♦ PENN STATE POULTRY SALESROOM

Chicken roasters, fryers, stewing chickens, fresh eggs and a few fresh turkeys will be available at the Penn State Poultry Salesroom during a special holiday sale day on Wednesday, Nov. 25, from 10 a.m. to 3 p.m.

The Poultry Salesroom also will be open Wednesday, Dec. 23, from 10 a.m. to 3 p.m. and will have available for sale chicken roasters, fryers, stewing chickens and fresh eggs. The salesroom closes from Dec. 24, to Jan. 6, 1993, and resumes its regular sales days on Thursdays from 10 a.m. to 3 p.m.

For more information, call (814) 865-3765.

### ♦ HOLIDAY ORNAMENT EXHIBIT AND SALE

The 1992 Holiday Ornament Exhibition and Sale, featuring the 1992 commemorative ornament designed in pewter by fine metal designer and craftsman, Jerry Jackson, will be held Sunday, Nov. 22, in the Fireside Room at the Nittany Lion Inn from 3 to 5 p.m.

Tickets for the exhibit and sale, sponsored by the Friends of the Palmer Museum of Art, are \$25 for members of the organization, \$30 for non-members. Proceeds of the sale benefit the Palmer Museum of Art.

A limited number of tickets are available at the door. For ticket information, call the museum at (814) 865-7672, Monday through Friday, 9 a.m. to 4 p.m.

### ♦ HUB ART GALLERIES EXHIBIT AND SALE

For the holidays, consider giving original art works from the Hetzel Union Art Galleries.

Watercolors by Robert O. Sherman (see related story on Page 4) are featured in the Browning Gallery until Dec. 9, and appearing on the Art Alley Panels until Dec. 13 are mixed media creations by Cristof Doud. The HUB galleries are open to the public, Tuesday through Thursday, noon to 8 p.m.; Friday and Saturday, noon to 4 p.m. The galleries are closed Mondays and Sundays.

### ♦ BLUE BAND

University Bands are pleased to offer as a holiday gift idea, "We are Penn State!" by the Blue Band on CD and cassette tapes. Available at the Penn State Bookstore, Student Book Store, and McLanahan's Penn State Room, CDs are \$15; cassettes \$10.

## The Holidays at the Nittany Lion Inn



Create a special holiday this year with help from the Nittany Lion Inn. This year the Inn is filled with holiday spirit and creative ideas to make your celebrating and gift-giving extra special. Here are just a few ideas.

Celebrate with your department or office by planning a holiday party in one of our beautiful private banquet rooms—there really is still room at the Inn!

Surprise a special someone with a Nittany Lion Inn gift certificate. Certificates are available in all amounts for casual dining in Whisker's Lounge or more formal dining in the Main Dining Room. Overnight accommodations in one of the Inn's suites or

beautifully appointed guest rooms also will make a memorable getaway gift. Facility/Staff Club members: Use your membership card account to purchase your certificates!

Pick out your favorite Penn State holiday gifts at the new Penn State Shop at the Inn, open Monday through Saturday, 7 a.m. to 8 p.m.; Sunday 7 a.m. to 6 p.m. Choose from a wide array of Penn State memorabilia, mementos, books and keepsakes.

Join your staff and friends at the Inn's Customer Appreciation Holiday Luncheon Buffet that will be offered in the main dining room. (Please call for specific times and reservations.)

For information or reservations, call (814) 231-7520, or stop by our sales office located on the second floor.

## Penn State University Ice Pavilion

The Penn State Ice Pavilion located in the Greenberg Indoor Sports Complex on the east end of campus will be offering special three-hour public ice skating sessions during the Christmas holiday period, from Monday, Dec. 21, through Thursday, Dec. 31. Session hours are:

Sat. Dec. 19, 1-3 p.m., and 8-10 p.m.	Sun. Dec. 27, 1-4 p.m.
Sun. Dec. 20, 1-3 p.m.	Mon. Dec. 28, 1-4 p.m., and 6-9 p.m.
Mon. Dec. 21, 1-4 p.m.	Tue. Dec. 29, 1-4 p.m., and 6 p.m.-9 p.m.
Tue. Dec. 22, 1-4 p.m.	Wed. Dec. 30, 1-4 p.m., and 6-9 p.m.
Wed. Dec. 23, 1-4 p.m., and 6-9 p.m.	Thu. Dec. 31, 1-4 p.m.
Thu. Dec. 24, 1-4 p.m.	Fri. Jan. 1, Closed
Fri. Dec. 25, Closed	Sat. Jan. 2, Regular session hours resume.
Sat. Dec. 26, 1-4 p.m., and 6-9 p.m.	

Admission prices are:

Penn State students with ID \$2.25; youth (18 and under) \$2.50; senior citizens (62 and up) \$2.50; adults \$3; skate rentals \$1.25.

In addition, a limited number of Main and Studio Rink hourly rates are available. For additional information, call the Ice Pavilion at (814) 865-4102.

## Penn State Tennis Club

The Penn State Tennis Club, located next to Holuba Hall, is staffed by experts and offers private, semi-private and group lessons to tennis players of all levels. Clinics, leagues and playing programs are available both summer and winter.

The indoor courts are open to everyone—no membership is required. The outdoor courts are open to members only, and a time system is used to reserve those courts.

The pro shop offers stocking stuffers and gift certificates and is fully stocked to meet your holiday giving needs, including racquets, clothing and accessories. Stringing and racquet repair services for all racquet sports are also available.

Holiday hours:

Dec. 13-Dec. 23	8 a.m. to 9 p.m.
Dec. 24	8 a.m. to 3 p.m.
Dec. 25	CLOSED
Dec. 26-Jan. 3	No play, indoor courts will be resurfaced.

Shop only open 9 a.m. to 4 p.m.

Dec. 31	9 a.m. to 3 p.m.
Jan. 1	CLOSED
Jan. 4	Resume regular hours 8 a.m. to 10 p.m., seven days a week.

For more information, call (814) 865-1351 or 865-1381.

In the interest of making holiday shopping easier, Intercom presents its 13th annual listing of gift ideas available at University Park. The holiday shopping guide was compiled by the Intercom staff and Annunzio Marino.



HAPPY HOLIDAYS!

# Arts

Continued from Page 4

Among the Sephardic Jews of northern Morocco, "falling into the mouths of people," as they phrase being talked about, is not wise.

On the Dec. 2 broadcast, Alegria Bendek of the French Department introduces cho Rubinstein to the culture's ample repertoire of blessings, curses, and criticisms, from "May you always live in light," to "May you be like a flying pyg, hung up by your eye," to "All that's left in the closet is the lemon."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

## ARTS AT . . .

### Penn State Harrisburg

The exhibit, "Byte & Other Pieces," featuring the diverse works of contemporary artist Bill Hutson, is on display at Penn State Harrisburg through Dec. 13.

Mr. Hutson's highly emotional art includes images and three-dimensional pieces utilizing sewing, collage, carving, drawing and painted objects, often related to an African concept. "Format Composition," the use of extraordinary colors and a multitude of spatial illusions created on a raised surface, is reflected in his work.

Currently associate professor of arts at Franklin and Marshall College, he has worked and traveled extensively throughout North America, Europe and Africa. Living in West Africa for several years, he witnessed the role art played in sealing a bond between Africans and Americans. His art evokes human, natural experiences and phenomenon.

Mr. Hutson's work has been exhibited worldwide, and he is the recipient of various awards, including CAPS (Creative Artists Public Service Program), New York; National Endowment for the Arts, Washington, D.C.; and the Cassandra Foundation Award, Chicago.

### Berks Campus

The Freyberger Gallery at the Penn State Berks Campus is hosting until Dec. 3 an exhibit by Terry Niedzialek, "Revolution in Hair," featuring hair sculptures that reflect political and social statements in a historical and contemporary context.

Ms. Niedzialek is known for her hair sculpture. Using television sets, wire, clay, cement, tempera paint, styrofoam and a host of found objects, she creates astounding 3-D environments in people's hair.

Using hair as a sculptural medium, she has developed an interdisciplinary art form which crosses the boundaries between plastic art, performance art and fashion. The engaging sculptures make both political and social statements about the relationships between nature and 20th century technology, and between man and his alienation from nature.



Terry Niedzialek creates hair sculpture.

The Freyberger Gallery is open Monday through Thursday from 11 a.m. to 5 p.m.; Thursday from 6 to 8 p.m.; and Sunday from 1 to 3 p.m.; or by appointment. For information, call (215) 320-4876.

### Altoona Campus

You'd have to look long and hard to find an American vocal group that's been around as long as the Fairfield Four.

This Black acapella gospel group was formed in the early 1920s and will sing in the Paul R. & Margery Wolf Kuhn Theatre in the Community Arts Center at 8 p.m. Sunday, Nov. 22. The concert is free to the public.

In 1942 the young gospel group from the Fairfield Baptist Church in Nashville received national recognition when they won a promotional contest offering an appearance on Nashville's WLAC as the first prize. Their broadcast proved so popular that for ten years, five days a week, the group remained on the air sending their brand of jubilee singing into virtually every home in the United States.

The current group formed in 1980, and two members of today's quintet (yes, there are five singers in the Fairfield Four), James Hill and Isaac Freeman, date back to the original group when they won a promotional contest. The remaining three singers include Wilson Waters, W.L. Richardson, and Walter Settles.

Their performance is sponsored by the Penn State Altoona Campus.

## Funding available for projects that stimulate interdisciplinary research of children

The Center for Child and Adolescent Health and Behavior is offering pilot funding for faculty members under its Small Grants Program.

The newly established center, based in the College of Health and Human Development, is one of five nationwide to be funded under a research initiative sponsored by the National Institutes of Health. Its purpose is to stimulate new, interdisciplinary research on the health and behavior of children and adolescents.

Under its Small Grants Program for 1992-93, the center expects to award funding for two or three projects at \$10,000 to \$15,000 each. The center's funding priorities include projects relating to one of three areas:

- Psychosocial processes influencing health and behavior in children and adolescents.
- Genetic bases of health and health-related behavior in children and adolescents.
- Neuroendocrine processes in child and adolescent health and development.

The intent is to fund research projects that will lead to externally funded programs of research on child and adolescent health and behavior. Multidisciplinary collaborations and proposals from junior faculty are especially encouraged.

Researchers interested in submitting a proposal should first submit a two-page letter of intent, which is due Nov. 20.

For more information on the grants program and procedures for submitting the letter of intent, contact Lisa Crockett at (814) 865-1447.

### Penn State Berks Campus

## New and renovated buildings dedicated

The Penn State Berks Campus has dedicated the newly constructed Franco Building and the recently renovated Luersen Building laboratories.

The Franco Building provides the campus with six new classrooms of varying sizes that can accommodate a total of over 300 students. The 17,000-square-foot building houses the finance office, registration, counseling, continuing education, PEPP (Penn State Educational Partnership Program) and faculty offices. A career center and two conference rooms also are in the building.

Space vacated by offices in the Luersen Building enabled the campus to renovate and create four new laboratories. Both a computer and biology lab were added, as well as a food science lab and an electrical engineering technology lab. The Police Services office and administration offices also were renovated.

The campus conducted a capital campaign which raised \$2.8 million in private contributions from local friends, community corporations, businesses and alumni, which made the projects possible.

Franco Franko, for whom the new academic building is named, pledged \$750,000 to the Penn State Berks Capital Campaign. It was the largest single contribution to the fund-raising effort.

Dr. Franco earned a bachelor of science degree in pre-medicine at Penn State in 1948 and a medical degree from Hahnemann University in 1953. He serves as a member of the campus advisory board and is a life member of the Penn State Alumni Association.

## Regulations govern use of vertebrate animals

Regulations governing the care and use of vertebrate animals are steadily increasing and it is crucial that all University personnel be aware of the need for approval by the Institutional Animal Care and Use Committee (IACUC) for the use of any vertebrate animal in a University funded activity.

The regulations involving the use of vertebrate animals are not restricted to the use of animals in research, but include the use of vertebrates in teaching, training, and promotional activities. Included in the definition of "vertebrate animals" are fish, poultry, and reptiles.

Individuals planning the use of a vertebrate animal in a University project are reminded that federal regulations governing the IACUC forbid the committee to approve any projects without allowing a full week for consideration of the project by all committee members.

The Office for Regulatory Compliance in 115 Kern Building at University Park coordinates IACUC reviews by providing forms and information.

All University personnel involved in animal teaching and research must attend an educational orientation session. The sessions are scheduled for 10 a.m. in 101 Kern Building Dec. 1, Jan. 5, Feb. 2, March 2, April 16, May 25, and June 1.

Further information is available in University Policy SY23, "Care and Use of Vertebrate Animals."

### CARPOLERS

Betty needs a ride to University Park from the Lewistown/Milroy area. Arrival time is 6:45, and no return ride is necessary. Call 863-4746 or (717) 667-9438.

Wayne needs a rider from Lock Haven to University Park, weekdays from 8 a.m. to 5 p.m. Call 863-0837 or (717) 748-7511.

Michele needs a ride from Warriors Mark to University Park. Working hours are 8 a.m. to 5 p.m., Monday through Friday. Call 863-1974, or home (814) 632-7810.



**Leading Russian TV anchor** Sergei Goryachev gave a public presentation Nov. 10 at University Park. Mr. Goryachev, who regularly has a viewing audience of more than 300 million people in nine different time zones throughout the former Soviet Union, was at ease in front of cameras and reporters. During his visit, the news anchor also delivered a Russian tree to Penn State's School of Forest Resources as part of West Penn Power's tree exchange program. Photo: Greg Grieco

## Forum for continuing education professionals set for Dec. 1

The third Continuing Education Scholars Forum, at 2:30 p.m. Tuesday, Dec. 1, in 502 Keller Building at University Park, will feature a presentation on "Self-Assessment: Preparing Professionals for Self-Directed Learning."

The forum, sponsored by Penn State Continuing Education, is open to the public. It is designed to encourage University faculty and staff members involved in research and scholarship in the continuing education field to share their research and perspectives with colleagues.

Wayne D. Smutz, director of the Continuing Education office of Program Planning, and his staff will present the Dec. 1 program.

The Program Planning team members will discuss the conceptual foundations for self-assessment and provide practical illustrations of how self-assessment works. The product of their planning and development efforts is the Self-Assessment Series for Dietetics Professionals, which Program Planning developed in cooperation with WPSX-TV, the Center for Applied Behavioral Science and the College of Education.

### Forum presenters are:

■ **Dr. Smutz**, who will provide an overview of the group's development of a self-assessment template for dietetics professionals.

■ **Deborah R. Klevans**, research and planning associate, who will present information on the assessment results and action plan, which is sent to all dietitians who complete a module.

■ **Leonard E. Pollack**, instructional designer, who will provide insight into the features of the self-assessment modules.

■ **Carolyn Ng-Bershad**, research project associate, who will discuss the educational marketing and administrative systems that have been created for the self-assessment modules.

**Stephen J. Wright**, assistant director for academic affairs, Department of Independent Learning, is chairing the committee planning the forum.

For more information about Continuing Education Scholars Programs and/or to participate in future forums, which are held once a semester, contact Donna S. Queeney, director of research and external relations for Continuing Education, at (814) 865-7752.

## PROMOTIONS

### Staff

Susan A. Banks to Computer Tomography Radiation Technologist at the Hershey Medical Center.

Laurie L. Bell to Senior Research Technician at the Hershey Medical Center.

Sandra K. Edwards to Director of Development in the Division of Development and University Relations.

Jeffrey H. Edmunds to Library Assistant II in University Libraries.

Nancy M. Gantz to Clinical Head Nurse at the Hershey Medical Center.

Slacy A. Godshall to Staff Assistant VIII in Undergraduate Programs.

Marjorie E. Goodwin to Respiratory Therapist at the Hershey Medical Center.

Douglas W. Gray to Administrative Assistant at the Hershey Medical Center.

John M. Graybeal to Research Support Assistant at the Hershey Medical Center.

Christopher J. Harrell to Respiratory Therapist at the Hershey Medical Center.

Ann M. Haupt to Staff Assistant VI in the Office of Physical Plant.

Margaret B. Hoover to Senior Copy Editor in University Press.

Mithoo A. Katrak to Administrative Assistant II at the Hershey Medical Center.

Robb L. Kimble to Assistant Engineering Aide in the Applied Research Lab.

Cynthia G. Lang to Senior Technical Specialist at the Hershey Medical Center.

Ann M. Lonardi to Senior Research Technician at the Hershey Medical Center.

Daniel K. Lucas to Engineering Aide in the Applied Research Lab.

Regina L. Lyons to Supervisor, Service Desk Operations in the Office of Physical Plant.

Lisa A. McCully to Staff Assistant VI at the Hershey Medical Center.

Renee M. McMurray to Staff Assistant V in Housing and Food Services.

Ramona R. Medellin to Medical Assistant at the Hershey Medical Center.

Billie-Jo Meyer to Staff Assistant VI at the Hershey Medical Center.

Cynthia J. Miller to Staff Assistant V at the Hershey Medical Center.

Kenneth L. Nelson to Staff Assistant VIII at the Hershey Medical Center.

Jody M. Parker to Staff Assistant V at the Hershey Medical Center.

Sharon L. Rannels to Research Support Assistant at the Hershey Medical Center.

Le Ann R. Ream to Transplantation Coordinator at the Hershey Medical Center.

Brenda M. Sanger to Administrative Aide at the Hershey Medical Center.

Anne M. Semanchuk to Senior Research Technician at the Hershey Medical Center.

Madelyn S. Snesavage to Administrative Assistant II at the Hershey Medical Center.

Kenneth R. Snyder to Senior Research Technician in Agricultural Sciences.

Teresa M. Stortoni to Administrative Aide at the Hershey Medical Center.

Moye W. Stauffer to Staff Nurse/Nurse Clinician at the Hershey Medical Center.

Marie A. Straka to Administrative Assistant in Liberal Arts.

Martha Traverso to Secretary, A in Earth and Mineral Sciences.

Mark D. Vineski to Research Technician at the Hershey Medical Center.

Shawlee Wehbe to Supervisor, Pharmacy Services at the Hershey Medical Center.

Technical/Service

David J. Cervantes to Food Service Worker, B at the Behrend College, Housing and Food Services.

Deborah L. Dove to Escort Service Aide at the Hershey Medical Center.

Robert G. Fetter to Central Processing Aide at the Hershey Medical Center.

Tammy S. Freeman to Snack Bar/Janitorial Worker, A in Housing and Food Services.

Sharon A. Heck to Environmental Health Worker, Group Leader at the Hershey Medical Center.

Arion R. Hooks to Patrol Officer at the Hershey Medical Center.

Hope I. Spangler to Senior Instrument Processing Aide at the Hershey Medical Center.

Rosanna M. Zerphy to Senior Instrument Processing Aide at the Hershey Medical Center.

Mildred I. Zimmerman to Escort Service Aide at the Hershey Medical Center.

## OBITUARIES

R. Michael Fryer, assistant professor of finance at the Penn State Schuylkill Campus, died Oct. 19 at the age of 47. He had been a member of the campus faculty since Sept. 1, 1967.

William J. Hufnal, maintenance worker, Delaware County Campus, from Jan. 4, 1971, until his retirement Feb. 1, 1981, died Aug. 26 at the age of 77.

Cathy L. Lingle, clerk, billing, Hershey Medical Center, since Jan. 20, died Sept. 28 at the age of 29.

George E. Orner, retired Cambria County associate extension agent, died June 21 at the age of 63. He joined the University staff as assistant county extension agent in Cambria County in 1957 and retired Jan. 1, 1985.

Shirley A. Ritter, clerk, bookstore A, Berks Campus, from April 1, 1980, until her retirement on disability Jan. 1, 1991, died Sept. 18 at the age of 56.

## FACULTY / STAFF ALERTS

### Healthcare coverage changes

With HealthAmerica assuming the role of claims administrator for hospital/surgical/major medical (Plan A) and Healthpass as of Jan. 1, 1993, all faculty and staff members have been asked to complete the HEALTH PLAN ENROLLMENT/CHANGE. The ENROLLMENT/CHANGE is used to select which plan you wish to join and is not to be used to change your dependent coverage.

Any faculty or staff member wishing to change coverage for dependents under their healthcare benefits must complete a REQUEST FOR CHANGE OF HEALTHCARE form. There are five choices of coverage: 1) No coverage, 2) employee only, 3) employee and spouse, 4) employee and child(ren), and 5) employee, spouse and child(ren). Coverage changes to any healthcare benefit may be subject to waiting period and/or pre-existing condition limitations.

Questions should be directed to the Employee Benefits Division, (814) 865-1473. REQUEST FOR CHANGE OF HEALTHCARE forms are available from the Employee Benefits Division, (814) 865-1473, human resource representatives and campus business offices.

Switching between medical plans may be accomplished by indicating the new plan on the HEALTH PLAN ENROLLMENT/CHANGE. A faculty or staff member at a campus offering an HMO other than HealthAmerica also will need to complete that HMO's enrollment form if a switch to the HMO is now being elected.

Dental and vision coverage is a separate benefit from medical benefits. There are no changes in the dental and vision benefits for 1993. The Prudential will continue to process dental and vision claims. Any changes to choice of coverage can be accomplished through use of the REQUEST FOR CHANGE OF HEALTHCARE form.

### Guest parking

Many guests and visitors come to the University Park Campus every day at the invitation of various departments and individuals. These guests are important to the accomplishment of the University mission and Penn State's image. Relations with guests can be adversely affected when they receive an unnecessary parking violation because they are not informed of University parking procedures.

The University Parking Office provides various options for accommodating the parking needs of guests, visitors or other invitees:

- ◆ Several visitor areas are strategically located around the campus where any visitor may use metered parking for up to 12 hours.

- ◆ Colleges, departments and administrative units may purchase visitor permits which authorize parking in select perimeter parking lots.

- ◆ The Parking Office will provide to colleges, departments or administrative units, on a fee basis, parking permits for individuals or groups attending department functions.

- ◆ Colleges, departments and administrative units may purchase short term Guest permits for specific priority parking areas on a space available basis.

- ◆ A limited number of Annual Guest Any Area permits are available for purchase by colleges, departments or administrative units.

It is important that hosts, whether departments or individuals, provide their guests with appropriate parking instructions, information and permits, if appropriate. Please contact the Parking Office at 865-1436 to find out more about guest parking programs.

### SERS retirement sessions

One of the services of the regional office of the State Employees' Retirement System is to offer group retirement sessions to members of that retirement plan. The State College office will be conducting such sessions in 101 Kern Building on the following dates:

Nov. 19, 10 a.m.-Nov. 23, 9 a.m.; Nov. 24, 1:30 p.m.; Dec. 1, 1:30 p.m.; Dec. 4, 9 a.m.; and Dec. 9, 10 a.m.

The meetings are one-and-one-half hours in duration and are designed to provide faculty and staff the opportunity to ask questions concerning the State Employees' Retirement System.

### Travel policy changes

In accordance with the findings presented by the President's Faculty Administrative Advisory Committee on Travel Services, the following University travel policy changes will be implemented effective Dec. 1:

- ◆ Use of the Penn State Contract Travel Agency is required at University Park, York Campus, the Lancaster Center and the Pittsburgh Center where there are contracted travel services in their communities. In addition, anyone traveling on Federal Government grants or contracts regardless of location will be required to use a Penn State Contract Travel Agency. Travelers at all other Penn State CES campuses have the option to use the contracted travel agencies and direct billing.

- ◆ Travelers using Penn State Contract Travel Agencies are required to utilize direct billing for airline, rail and rental car charges. These charges are processed through use of the electronic EASY Direct Billing Authorization Form

(IDBAF).

- ◆ Commission sharing received through the contracted travel agencies will be returned to departmental budgets based on the dollar amount of travel.

- ◆ Use of Direct Billing for air and rail provides \$200,000 no-cost flight insurance with additional coverage up to \$1,000,000 available for an annual fee that is paid by the traveler. An additional \$150,000 no-cost flight insurance is provided through the Contracted Travel Agencies.

- ◆ Use of Direct Billing for rental cars provides no-cost Loss Damage Waiver (LDW) coverage on all rentals through any car rental agency worldwide.

- ◆ The Travel Agency contracts provide guaranteed lowest available fares on airline and rail tickets and the lowest available hotel and car rental rates.

- ◆ McAdams Travel World's toll free number is 800-397-6463. Centre for Travel's toll free number is 800-255-2140. These numbers were previously printed incorrectly.

- ◆ Carlson Travel Network has included its Camp Hill office in the University Travel Management Program. Carlson Travel Network/Nittany, Camp Hill Shopping Center, Camp Hill, PA 17011, 717-0737-0542, 800-944-5798, FAX: 717-737-4174.

### W-2 mailing reminder

If your payroll check is deposited, your W-2 will be mailed to the office address shown on your payroll deposit slip. If your payroll check is not deposited, the W-2 Form will be mailed to the address shown on the payroll check.

If the office address is incorrect as shown on your payroll check or deposit slip, please correct by seeing your personnel representative.

The home address can be corrected by submitting a new W-4 Form to the Payroll Office, 307 Rider Building.

### Holiday schedule

Questions arise each year regarding the December/New Year's closing down period. There are no "odd" weekdays involved in the schedule this time between the last day of classes and operations are open until the day the University reopens. Except for essential services and operations, the University will close at the normal end-of-business times on Wednesday, Dec. 23, and will reopen at normal starting times on Monday, Jan. 4.

The official University holidays are: Thursday, Dec. 24; Friday, Dec. 25; Monday, Dec. 28; Tuesday, Dec. 29; Wednesday, Dec. 30; Thursday, Dec. 31, and Friday, Jan. 1.

In keeping with this schedule, the Payroll Office has announced

that biweekly and monthly paychecks will be released on Wednesday, Dec. 23. Biweekly paychecks will be negotiable Dec. 23. Monthly paychecks will be negotiable Dec. 31; automatic deposits will not be made early.

This school year, any payroll information is not applicable for The Milton S. HERSHEY Medical Center, since employees there earn service days in lieu of the extra December holidays.

Questions regarding the above holiday information should be directed to the appropriate college or department human resources representative, or director of business services at a facility away from University Park.

### Library hours

In observance of the Thanksgiving holiday, all libraries at University Park, except Pollock Library will close at 5 p.m. Wednesday, Nov. 25, and reopen Friday, Nov. 27.

Pollock Library will be closed Nov. 25 through Nov. 28, and will resume 24-hour service at noon Nov. 29.

Library hours on Friday, Nov. 27, and Saturday, Nov. 28, for Pattee Library, the Architecture Library, Earth & Mineral Sciences Library, Education Library, Engineering Library, Mathematics Library, and Physical Sciences Library will be 8 a.m. to 5 p.m.

The regular schedule of library hours will resume Sunday, Nov. 29.

### English pub party

Members of the Faculty Staff Club are invited to celebrate the end of the semester with a winter English pub party from 5 to 7 p.m. Thursday, Dec. 10.

The club will recreate the warmth and collegial atmosphere of an English pub at Whiskers, the "pub" at the Nittany Lion Inn. The cost will be \$4.99/person, which includes two beverages, compliments of the club.

Club members should bring their IDs. Faculty and staff are welcome to join the club at this party. The annual membership fee is \$25.00, which includes two lunches at the club.

Beginning in January, the club will sponsor monthly "afterwork minglers" on the third Thursday of each month. Since the club's Oktoberfest was such a success, general special events will be scheduled during the next year. Club members will be sent information on these activities.

For more information contact: Sandy Edwards (865-4102) or Sally Kallal (865-72, swk@psu), co-chairs, Organizing Committee, Faculty-Staff Club.



# Focus on Research

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Intercom  
November 19, 1992

## Horse and photography: An early courtship

Celebrated by artists for centuries, the horse was among the first subjects captured in the 1840s by the new art of photography, according to a Fern Slate expert.

"In the subsequent 150 years — through great changes in technology and aesthetics — horses have continued to fascinate photographers," said Gerald Lang, associate professor in the School of Visual Arts in the College of Arts and Architecture.

Mr. Lang and Lee Marks, photography art dealer and consultant, are co-authors of the book, *The Horse: Photographic Images, 1839 to the Present*, published by Harry N. Abrams in New York, in association with the Palmer Museum of Art.

It is the first book to trace the image of the horse from

photography was announced in 1839, the horse was part of everyday existence," Mr. Lang said. "As the years passed and photography grew in influence, the role of the horse shifted dramatically from that of a vehicle of labor to one of sport and leisure."

Most of the great masters of photography are represented in the book — from Nadar, Gustave Le Gray and Eadweard Muybridge, to contemporaries like Doug and Mike Starn, Jan Groover, Holly Roberts and David Levinthal. The result of extensive research throughout the United States and Europe, this collection includes many previously unpublished images.

Pictures range from Gen. Robert E. Lee on his favorite mount, Traveller, to a horse and rider diving into a pool in

scientific tool," Mr. Lang stated. "As the technical process improved, the study of motion became possible."

It was because of photography that, after thousands of years of interaction with the horse, people were at last shown exactly how a horse moved.

Eadweard Muybridge's experimentation with the photography of movement in the 1870s provided the context for the most celebrated episode involving the horse and photography.

"During the 1870s, Leland Stanford — former governor of California and owner of the Great Palo Alto Breeding Ranch — commissioned photographer Eadweard Muybridge to determine whether his trotter, Occident, had all four feet off the ground at full gallop," Mr. Lang said.

"Using a battery of cameras arranged in rows and triggering the shutters electromagnetically, Muybridge proved that indeed all four feet left the ground at one time, but not in the assumed 'rocking horse' configuration portrayed by painters and sculptors throughout the ages."

The year 1592 marks the 500th anniversary of Columbus's reintroduction of the horse to America, Mr. Lang said.

"Encompassing more than utilitarian functions, the horse is part of our spiritual imagination and symbolizes beauty, energy, the force of nature and the spirit of freedom," he noted.

"For centuries, the animal has been held in the most esteemed position of any animal in our society, and the history of photography richly reflects our fascination with the horse. Motivated by cultural, documentary, scientific and aesthetic concerns, masters and anonymous photographers alike have explored the equine world."

"Whether seen as a document, symbol or metaphor, the image of the horse in these photographs provides an illuminating commentary on our lives, our spirit and our dreams."

— Paul Blaum



Gerald Lang and two of his five horses.

the earliest daguerreotype and salt prints to contemporary computer-aided photographs.

"The horse — indispensable as a means of traction and transport — was vital to hunting, farming, travel, war and conquest. More than any other non-human species, the horse has influenced and altered the course of human history," Mr. Lang noted.

Since the days of the daguerreotype, photographers have sought to capture the image of the horse, both as magnificent animals in themselves and as potent symbolic presences.

"When the invention of

Pueblo, Colo., in 1905. Also included is a photograph from the movie, *The Misfits* (1961), with an aging cowboy played by actor Clark Gable attempting to rope a wild mustang for the slaughterhouse.

The earliest photographs required exposures as long as 15 minutes to compensate for the primitive lenses and the slow speed of the light-sensitive materials available in the first decade of the medium. Images of subjects that do not remain still were virtually impossible, and pictures outside the studio were rare.

"Photography's ability to record objects and events in clear, factual terms made the medium an ideal

*It was because of photography that, after thousands of years of interaction with the horse, people were at last shown exactly how a horse moved.*



## Japanese ambassador to give public lecture

Ambassador Hiromoto Seki, consul-general of Japan at New York, will give a public lecture on "Japan, the United States and the New International Order," at 4 p.m. Friday, Nov. 20, in 112 Kern at University Park.

On Saturday, Ambassador Seki and his wife will visit with President

Thomas and later attend the Pitt - Penn State football game.

A graduate of the University of Tokyo, Ambassador Seki entered the Ministry of Foreign Affairs and was assigned to the Consulate General of Japan in New York at the age of 25. He served subsequently with the National Security Affairs Division of the American Affairs Bureau and the Technical Cooperation Division of the Economic Cooperation Bureau.

He has served in several other overseas posts. In 1970, he worked at the Japanese embassy in Thailand and two years later was transferred to the permanent delegation of Japan to the Organization of Economic Cooperation and Development in Paris.

After three years with the OECD, he became director of the Multilateral Cooperation Division of the Economic Cooperation Bureau and later director of the Regional Policy Division of the Asian Affairs Bureau.

In 1980, he was appointed Japanese minister to the People's Republic of China. Four years later, Mr. Seki became deputy press secretary and deputy director-general for Public Information and Cultural Affairs and afterward director general for International Affairs at the Defense Agency.

After several years as consul general of Japan at Los Angeles, he assumed the duties of director general for the Latin American and Caribbean Affairs Bureau.

Ambassador Seki's visit is sponsored by the Center for East Asian Studies.

Hiromoto Seki

Thomas and later attend the Pitt - Penn State football game.

## United Way campaign concludes with celebration Dec. 1 at Nittany Lion Inn

The 1992 "Team Penn State" United Way Campaign concludes with a finale celebration from 3:30 to 5 p.m. Tuesday, Dec. 1, in the Nittany Lion Inn Ballroom. The University Park contribution to United Way will be announced, along with the winner of a Blockbuster Bowl trip for two. Attendees are eligible to win door prizes that have been donated by various University departments.

Campaign chair, James Ryan, President and Mrs. Thomas will announce the grand total and percentage of givers to this year's campaign. The University Park goal was set at \$275,000 in September, with a participation rate of 30 percent.

The winners of a York Music System and a Fuji 35mm cam-

era also will be announced at the finale. The bowl trip was jointly donated by anonymous alumni from the Colleges of the Liberal Arts and Health and Human Development and the employees of Business Services; the sound system and camera were donated by the Penn State Bookstore, in recognition of those who have contributed to the 1992 campaign.

Enjoy entertainment by the Singing Lions and the Nittany Lion mascot. Refreshments will be provided by the Penn State Bakery and the Nittany Lion Inn.

Campaign organizers are encouraging all volunteers, prize donors, Team Members, Team Leaders, and United

Way agency representatives to attend. Come celebrate. We'd like to recognize you!



### 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, C. Terry Morrow, professor of agricultural engineering; Paul Sheltenberger, professor of dairy science; and Teresa Shivk, coordinator of facilities, services and safety in plant pathology, all in the College of Agricultural Sciences; and Philip E. Stebbins, associate professor of history and assistant dean for undergraduate studies in the College of the Liberal Arts.



From left to right, Donald A. Rote Jr., supervisor, electrical distribution, Office of Physical Plant; and Francis R. McKenna, associate professor of education, Cecil R. Trueblood, professor of education, and Susan F. Wels, associate professor of home economics education and education, all in the College of Education

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November 19, 1992  
Vol. 22, No. 14

PENNSTATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor

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## Library campaign committee sets sights on \$10 million goal

The University is launching a campaign to raise \$10 million in private gifts by Dec. 31, 1993, for an addition to Pattee Library and initial renovation of the existing Pattee complex.

The campaign goal was set by a volunteer committee chaired by Head Football Coach Joe Paterno. The campaign already has raised \$3.5 million in commitments during the advance gifts phase.

The private gift support will supplement \$14.8 million recently released for the Pattee addition by Gov. Robert Casey.

President Thomas, who has repeatedly stressed that the expansion of Pattee Library is his administration's highest priority, said he is pleased to see the fund-raising campaign begin.

"I am gratified that the governor saw fit to release the funds for this crucial project, and that Joe's committee is ready to help us meet this critical need. The library is at the heart of the academic experience, and we must make every effort to see that it is strong and healthy."

Coach Paterno, who has long been an advocate for the University Libraries, was named by Dr. Thomas in May to head a campaign feasibility study.

"For a long time, Pattee Library has struggled to meet the information needs of a growing University," Coach Paterno said, "and it's apparent that we have an opportunity now to make major progress. The fact that the volunteer committee has decided to take on an ambitious campaign goal is a reassuring vote of confidence in this University."

Joining him on the library campaign committee to provide leadership for the fund-raising effort are:

— Judith Anchel and Edward Anchel '60 of Milford. Mr. Anchel is president and chairman of the board of Sparkomatic Corp.

— Louis R. Benzak '61 of New York, president of the New York investment firm of Spears, Benzak, Salomon & Farrell Inc.

— Nancy M. Cline, dean of the University Libraries since 1988 and a member of the University faculty since 1970.

— Donald M. Cook Jr. '52 of Cherry Hill, N.J., president of SEMCOR.

— Elouise R. Eberly and Robert E. Eberly '39 of Uniontown. Mr. Eberly is



The new expansion planned for Pattee should provide more room for students like these to continue scholarly activities. Photo: Scott Johnson

## Martin Luther King Jr. celebration Activist/educator chosen as keynote speaker

Civil rights activist, pastor and educator, the Rev. Amos C. Brown will be the keynote speaker for Penn State's observance of the Rev. Dr. Martin Luther King Jr. holiday.

Dr. Brown will speak in Eisenhower Auditorium at 7:30 p.m. Monday, Jan. 18. The University Park observance will be telecast live on PENNARAMA and on WPSX-TV, Channel 3 throughout much of the state.

The event is one many Martin Luther King holiday activities scheduled statewide at University Park and other University campuses.

Dr. Brown has been pastor of the Third Baptist Church in San Francisco since 1976. With about 2,800 members, the church is possibly the most powerful in the city. It is the oldest African-American baptist church west of the Mississippi.

Under Dr. Brown's leadership, the church has sponsored an annual six-week summer school program that has the accreditation of the local school district and has graduated more than 2,500 students since 1977, developed a refugee resettlement project assisting Ethiopian refugees, offers numerous services for senior citizens, co-sponsors an after-school tutorial program, and founded an after-school music academy.

Dr. Brown has been an avid servant for social equality and civil rights most of his life. A native of Jackson, Miss., he became involved in the civil rights movement at age 14. He was first arrested at the same age for his work in the movement. Later, he assisted the late civil rights leader Medgar Evers with registering African/Black American voters. He has had a long-time involvement in the NAACP.

See "Speaker" and related story on Page 2



The Rev. Amos C. Brown

See "Library" on Page 3

## Fall commencement ceremonies set for Jan. 9

The University will hold 1992 Fall Commencement ceremonies for about 3,157 associate, baccalaureate and graduate degree students in four ceremonies at University Park on Saturday, Jan. 9. Approximately 17 undergraduates will receive associate degrees; 2,597 will receive baccalaureate degrees; 363 will receive master's degrees; and 180 will receive doctorates.

The commencement schedule and speakers are as follows: — 9:30 a.m., John A. Dutton,

dean of the College of Earth and Mineral Science and professor of meteorology, will speak at undergraduate ceremonies for the colleges of Arts and Architecture, Business Administration, Earth and Mineral Sciences and Agricultural Sciences in Recreation Building.

— 1 p.m., Barbara Hackman Franklin, U.S. Secretary of Commerce, will speak at ceremonies for all students graduating with associate degrees and for baccalaureate degree ceremonies for

the colleges of the Liberal Arts, Science and Education in Recreation Building.

— 4 p.m., Frank V. Cahout, chairman, president and CEO of Mellon Bank, NA, is the speaker for ceremonies for the School of Communications and the colleges of Engineering and Health and Human Development in Recreation Building.

— 7:30 p.m., C. McCollister Everts, senior vice president for

See "Commencement" on Page 7

## Martin Luther King Jr. Celebration Memorial banquet scheduled for Jan. 15 at University Park

The Forum on Black Affairs has announced plans for its 15th Annual Dr. Martin Luther King Jr. Memorial Banquet scheduled for 6 p.m. Friday, Jan. 15, in the Hetzel Union Building Ballroom at University Park.

LaVerne Gyant, president and Martin Luther King Jr. Memorial Banquet chair, said the event, one of the largest of its kind in the state, has strong University and community support.

"Already, we have received a significant number of requests for tickets. Therefore, we are asking that those planning to attend make reservations by purchasing tickets as soon as possible," she said.

The banquet will feature entertainment and presentations by members of the local community and the University, including the Forum on Black Affairs

Humanitarian Service Award, which has been a highlight of the memorial for the past nine years.

Winners of the State College Area School District Awards featuring student artistic interpretations of Dr. King also will be named. The theme of this year's programs is "Renewing the Dream — Challenges and Prospects."

Tickets are \$15 for adults and \$7.50 for children. Vegetarian meals are available. Parking permits for nearby on-campus parking will cost \$1. For more ticket information, contact Earl Merritt, 131 Sparks, call (814) 863-1977; the Paul Robeson Cultural Center, call (814) 865-1779; the Black Studies office in 236 Grange Building, call (814) 863-4243.

## New video looks at improving climate for minorities

The Office of the Vice Provost for Educational Equity is producing a new video that explores ways to improve the classroom and advising experiences of students of color and women.

The project, co-produced by Educational Communications/WPSX-TV, targets a wide range of audiences, including full-time faculty, teaching assistants, University administrators, students and others. Marc B. Levey, senior diversity program analyst, said,

"The goal of this video is to help faculty and staff become more aware of and sensitive to diverse classroom concerns, needs and issues. While we don't pretend that the tape will be all inclusive or present every possible solution, it should promote thought and discussion."

The 50-minute video will include dramatizations of classroom and advising situations followed by discussion segments among non-minorities, women and culturally-diverse students, faculty and staff as they confront these situations.

"To develop realistic scenarios, we studied student complaints and chose several of the most common to use," Mr. Levey added. "Our goal is that once these situations are highlighted and discussed, they will create greater awareness and present viewers with alternative classroom and advising styles."

The video is targeted for completion at the beginning of spring semester. Workshop sessions will begin as soon as the video is completed. The tape and discussion guide will be available free to any University faculty or staff department.

For more information, contact Mr. Levey at 863-2294.

## Speaker

Continued from Page 1

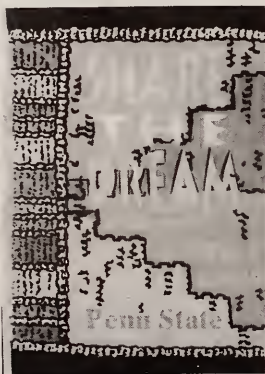
While a student at Morehouse College in Atlanta, he became a leader in the Atlanta University student sit-in movement that led to desegregation of public facilities. He was jailed with the Rev. Martin Luther King Jr. during one such effort.

A strong believer in educational equity, Dr. Brown founded one of the most successful alternative schools in the nation during a six-year pastorate in St. Paul, Minn., as a result of concern that African/Black Americans were often unfairly sent to reform schools.

Dr. Brown has served on the San Francisco Community College Board of Governors and was involved in organizing the 1964 and 1968 presidential campaigns of Rev. Jesse Jackson and the 1990 Northern California visit of Nelson Mandela. In 1984, he received the Colgate-Rochester Divinity School's Dr. Martin Luther King Jr. Ministerial Award for outstanding leadership and contributions to the Black Church in America.

As chair of the Civil Rights Commission of the National Baptist Convention USA Inc., he served as a witness before the U.S. Senate Judiciary Committee against the nomination of Supreme Court Justice Clarence Thomas to the Supreme Court.

Dr. Brown earned his bachelor's degree from Morehouse College, master's degree from Crozer Theological Seminary in West Chester and his doctor of ministry degree from United Theological Seminary in Dayton, OH.



"Share the Dream" buttons, part of the Martin Luther King Jr. celebration, are available at various locations—including the HUB — at University Park.

Photo: Dave Shelly

## Kwanzaa

### A CELEBRATION OF AFRICAN-AMERICAN CULTURE

Established in 1966 by Maulana Karenga, the chair of Black Studies at California State University at Long Beach, the year-end feast of

Kwanzaa is a seven-day celebration that runs from Dec. 26 through Jan. 3.

Kwanzaa literally means "first fruits of the harvest" in Swahili, and is intended to teach respect for family, community and African traditions. It is a time when families and individuals are encouraged to study the principles of Kwanzaa and apply them to their lives. The celebration adopts practices prevalent throughout Africa and is quickly being recognized among the list of holiday celebrations in the United States—although many African-Americans have celebrated the event for decades.

#### PRINCIPLES OF KWANZAA

Kwanzaa features lighting one candle each day, then the principle of the day is discussed by the family. The principles, based on African philosophical values and traditions, are:

- 1) *Umoja* — unity
- 2) *Kujichagulia* — self-determination
- 3) *Ujima* — collective work and responsibility
- 4) *Ujamaa* — cooperative economics
- 5) *Nia* — purpose
- 6) *Kuumba* — creativity
- 7) *Imani* — faith

## Poet/editor to give lecture

Award winning poet, editor, publisher and educator Haki R. Madhubuti will make a presentation on the African-American holiday Kwanzaa at University Park Monday, Dec. 7. The Chicago State University professor of English will lecture at 7 p.m. in the Paul Robeson Cultural Center. The event is sponsored by the Black Student Caucus.

First established in 1966, Kwanzaa is a seven-day celebration that runs from Dec. 26 through Jan. 3. (See related story at right.)

The author of 16 popular books, essays and criticisms, Dr. Madhubuti is director of the Institute of Positive Education, and publisher/editor of *Third World Press*. An active lecturer and community worker, he also is a researcher of culture.

Dr. Madhubuti, is the president of the African American Publishers', Booksellers' and Writers' Association, a member of the National Commission on Crime and Justice, and a founding member of the National Black Wholistic Retreat Society.

## Women's networking group to meet

The Women's Alliance, a town-and-gown networking group, will meet at noon on the third Wednesday of each month for lunch at the Canton Restaurant (222 Calder Way), State College. The next lunch will take place Dec. 16. Professional women in State College and at Penn State are welcome to attend for informal discussion and networking. No reservation is required.

# Library

Continued from Page 1

chairman of the board of Eberly & Meade, and board member of the Eberly Foundation and the Eberly Family Charitable Trust.

— Ellen M. Foster '49 and Lawrence C. Foster Jr. '48 of Westfield, N.J. Mr. Foster is a public relations counsel and former vice president of public relations for Johnson & Johnson.

— Walter C. Goldstein '47 of Newark, president and CEO of Underhill Industries.

— Donald W. Hamer '68 State College, president and chairman of State of the Art Inc.

— Harold J. Hein '45 of Thornwood, N.Y., president of Mid-City Press Inc.

— Helen S. Hintz '60 and Edward R. Hintz '59 of Chatham, N.J. Mr. Hintz is president of the New York Investment firm of Hintz, Holman & Hecksher Inc.

— Dorothy F. Huck '43 and J. Lloyd Huck '43 of New Vernon, N.J. Mr. Huck is former chairman of the board of Merck Pharmaceutical and Co. Inc.

— Bruce A. Murphy of Port Matilda, professor of history and politics.

— Sue Paterno '62 of State College, co-founder of the Paterno Libraries Endowment.

— Kenneth L. Pollock of Wilkes-Barre, chairman of the board of Pennsylvania Enterprises Inc.

— Joan L. Schreyer and William A. Schreyer '48 of Princeton, N.J. Mr. Schreyer is chairman of the board of Merrill Lynch & Co. Inc.

— Samuel I. Sidewater '59 of Bensalem, executive vice president and director of merchandising, Charming Shoppes Inc.

— Judith O. Sieg '59 and Philip H. Sieg '57 of Bellefonte. Mr. Sieg is president of the Sieg Financial Group.

— Mary Jean Smeal '42 and Frank P. Smeal '42 of Rumson, N.J. Mr. Smeal is a limited partner in the investment firm of Goldman-Sachs Corp., New York.

— Mason Walsh Jr. '57 of Pittsburgh, senior vice president and counsel, Richard K. Mellon and Sons.

The approximately 100,000-square-foot library addition would be built adjoining East Pattee, precipitating an extensive internal renovation. The expansion would feature a new entrance to the new building, several discreet "libraries within the library," the creation of a Library for Special Collections and greatly expanded use of computer and telecommunications technologies.

"We know that whatever the size and shape of the new library, we must make the most of this special piece of real

**While the committee plans for Pattee Library's space expansion, librarians work to see that Pattee's information access keeps pace. See related story on Page 19.**

estate in the heart of the campus," Dean Cline said.

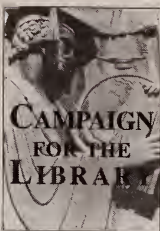
"We must design and build to get the most library for our money, to get the best possible library with flexibility to meet future changes and to enrich the learning environment for our students and faculty."

Pattee Library welcomed in excess of 1.5 million users last year, and recorded more than four million circulation transactions. In comparison, circulation was only 268,540 in 1972 when the last addition — the east wing — was built.

The central core, which replaced Carnegie Building as the main library, opened in 1940 and was named for Fred Lewis Pattee, a University faculty member who was the first in the nation to hold the title, "Professor of American Literature." The "central stack" area was added to the core 10 years later in an attempt to relieve congestion that became apparent soon after the main building was completed. Fifteen years later, in 1965, the continuing growth of the University necessitated the addition of West Pattee.

The University Libraries supports the instructional, research and public service needs of faculty, staff and students.

# Gift giving to library begins



The volunteer committee chaired by Coach Paterno already has received a number of major gifts. They include:

- Larry and Ellen Foster, of Westfield, N.J., \$250,000.
- Donald W. Hamer, State College entrepreneur, \$250,000.
- Ken and Marlon Pollock, of Wilkes-Barre, \$250,000.
- Samuel I. Sidewater, of Bensalem, \$100,000.

The Fosters are members of the volunteer committee. "Larry and Ellen are tremendous assets to this University, and I am glad to count them among friends of the Libraries," Coach Paterno said. "They have always been there when needed, and we are extremely grateful for this timely and important gift."

Ellen Foster is a 1949 graduate of Penn State, and Larry Foster graduated in 1948. Mr. Foster is a public relations counsel and former vice president of public relations for Johnson & Johnson, and served as a member of the University's Board of Trustees from 1980-1989.

He is a member of both the National Development Council and the Libraries Development Advisory Board, serving the latter

performing arts, the Academic/Athletic Convocation and Events Center and Shavers Creek Environmental Center. He recently won the Theodore Roosevelt Conservation Award, a national honor, in recognition of his service to Shaver's Creek and State College-based ClearWater Conservancy, of which he is president.

An Illinois native, Mr. Hamer holds bachelor's degrees from the University of Illinois and Penn State, and an M.B.A. from the University of Chicago.

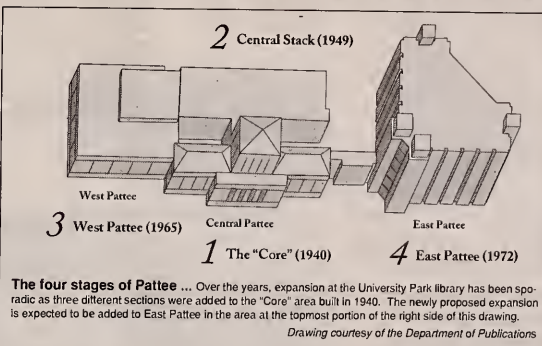
The Pollocks, who anticipated a fund-raising campaign, made their commitment before the announcement of the campaign kick-off Nov. 22. Mr. Pollock also is a member of the volunteer committee leading the fund-raising initiative.

"This gift by Ken and Marlon is fantastic," Coach Paterno said. "It is a dramatic example of leadership with which this committee will energize the campaign, and shows high confidence in our ultimate success."

Mr. Pollock, a native of Hunlock Creek, is chairman of the board of Pennsylvania Enterprises Inc., a public water and gas utility. He also is a principal of other businesses in the Wilkes-Barre and Hazleton areas, and in Florida.

The Pollocks, who are long-time supporters of the Penn State Wilkes-Barre Campus, also have made major contributions to scholarships and to the Academic/Athletic Convocation and Events Center campaign.

"Sam Sidewater is a tremendous asset to our campaign feasibility study committee," Coach Paterno said. "His early leadership gift to this effort is most appreciated, and we look forward to



**The four stages of Pattee ...** Over the years, expansion at the University Park library has been sporadic as three different sections were added to the "Core" area built in 1940. The newly proposed expansion is expected to be added to East Pattee in the area at the top portion of the right side of this drawing.

*Drawing courtesy of the Department of Publications*

group as chairman from 1985-90. He and Ellen have been extremely active for many years in raising funds for the University Libraries. He received the University's Distinguished Alumni Award in 1979 and was named an Alumni Fellow in 1992.

"Don Hamer knows that the library is an important measure of any great university," Coach Paterno noted. "He's made a major investment in the future of Penn State that will benefit our students and faculty for many years to come, and we're grateful for his generosity."

Mr. Hamer, who also is a member of the volunteer committee, is president of State of the Art Inc., which he founded in 1969. The firm develops and manufactures miniature electronic components for industrial and computer hardware products.

He has supported a variety of areas at Penn State, including the Palmer Museum of Art, the

benefiting from his insight and energy as this vital effort progresses."

Mr. Sidewater, a volunteer committee member, graduated from Penn State in 1959 with a bachelor's degree in business administration. After a brief stint with Macy's Department Store in New York, he joined Charming Shoppes, a family-operated retailing business that was founded by his father, Morris, and his uncle, Arthur, in 1942.

Today, Bensalem-based Charming Shoppes operates 1,103 stores in 37 states, and through its Fashion Bug and Fashion Bug Plus subsidiaries, operates a fast-growing chain of women's specialty stores.

Mr. Sidewater also is a member of the National Development Council, the University's highest-level fund-raising advisory body.

# Under scrutiny V

## Thomas tells Trustees: Higher education must move forward

*Editor's Note: The following are excerpts from remarks President Thomas made to the University's Board of Trustees on Friday, Nov. 20.*

I would like to expand further on the comments that were presented earlier today. In regard to the University Future Committee, that twelve-member Committee, chaired by Provost Brighton, is working very hard on this university's behalf and we are grateful for the job under way there.

As we look to the days ahead, I think it is important to understand that there are four very important issues or circumstances that shape our present environment. These circumstances or issues need to be considered carefully and addressed as we move forward as a university.

The first of these issues is change and continuity. As all of you will recall, beginning in the early 1980s, expansion and diversification were the operative phrases. Businesses, industries, and universities expanded and diversified. Many businesses and industries expanded and diversified beyond their capacity to manage or to make a profit, or to operate effectively. Many universities, likewise, responding to demands and obvious needs for their services, grew at a rate that exceeded their revenue growth.

The focus of the 1980s is very different. The focus in business and industry and, indeed, in universities in the 1990s is toward down-sizing or right-sizing, and sharpening the focus—in many cases narrowing that focus. Industry is out front in this. Industry, in fact, was forced out front because of the immediate effect of a declining economy. Recently business and industry has

**"Ironically, with hard times and budget reduction pressures, universities find they are under increasing pressure to do more—not less."**

been critical of higher education because we have been slower in following their lead. But as I have pointed out to some of my colleagues, business and industry don't enjoy the privilege of shared governance that we have in higher education, which makes this process a little more difficult and certainly more interesting.

Making cutbacks in higher education is comparable in many ways to

taking away an entitlement. The processes we are going through in higher education today are painful. They will be more painful than many of us have anticipated. Ironically, with hard times and with budget reduction pressures universities find that they're under increasing pressure to do more, not less. Particularly, we are pressured to do more to solve many of the world's problems. We are asked to deal with the problems of K-12. We are asked to deal with the problems of the inner city, including drugs and crime. We are asked to provide solutions to poverty and unemployment, to take the lead in economic development, to find ways to make this nation more internationally competitive; to provide answers to the incredibly difficult problems in health care cost containment; to increase our capacity in providing assistance in disease control and cure and to solve many other problems. And yet, real budget reductions are ahead of us and we must have a sound strategy to address these problems.

Issue or circumstance number two is a very real lack of confidence and respect for most institutions in our country, including educational institutions. This, too, has been intensified by financial problems. The public, the legislature, Congress, even our students and our faculty have lost some confidence and some respect for higher education.

Recently in a meeting with university presidents, a prominent United States senator stopped the conversation and said, "Ladies and gentlemen, you don't seem to realize, Congress doesn't like universities any more." This is a very sobering comment for all of us whose lives are dedicated to higher education. The reasons for this decline are fairly obvious and have been discussed often. The indirect cost misunderstandings and difficulties; research fraud in a few cases; political correctness and the D'Souza book and his subsequent talk shows; the *ProScan* and the *Reading* scandals that came from that book; athletic scandals; tuition increases, controversies over research and teaching and so forth. We see evidence from some writers that this problem, in fact, is growing. Richard Heydinger, head of the Alliance for Higher Education, wrote recently in *The Crisis of Higher Education* that this problem is going to get worse, stating: "They're really going to come after us."

We've always had our critics in higher education and we will always have our critics, it's just that the criticism is a little more intense now and it's directed more from within our own ranks than it provides significant amounts of our funding.

There is additional irony here. One part of that irony is that institutions of higher education in this country are among the last institutions in our society that are still working very hard to be, but not just competitively internationally, but are still world class and the models for the world. Our best universities are

almost universally regarded as the best in the world.

We are in many ways victims of our own success. We have created rising expectations. We're dealing now with the impact of failed expectations. The question is asked, "Why can't Johnny read?" The blame is placed on higher education, not on a multitude of other causes of the problem. Similarly, we are asked why we do not have a cure for AIDS—without any realization of the incredible technical and biological difficulties involved in attacking that disease. We have done so well in finding cures for many diseases we are expected immediately to find cures for all of them. This is a classic example of rising expectations. It's the surest route to disillusionment and we now face that disillusionment as a society.

The third issue I would like to bring to your attention is a change in behavior—a change that may be seen in some administrators, staff, faculty, students and even in the broader University community. I would describe that change in behavior with a familiar Southern expression, "When you're very hungry, and particularly if you fear starvation, your table manners change." They don't ever change for the better under those circumstances. Interest groups intensify and multiply. Traditional critics will become more vocal. The Legislatures will be lobbied, trustees will be lobbied, and I can predict that programs or services put up for consideration for cuts—with the possible exception of administrative units—will be categorized as very strong and essential programs or services.

Cutting programs in a university is an unenviable task. It is akin to sitting a hazardous waste disposal location. **EVERYBODY** knows it must go somewhere, but "not here." We will have to make some cuts in our services and programs. We must make rational and not purely political decisions when we do these cuts. And we will need your support as a Board as we go through this difficult process.

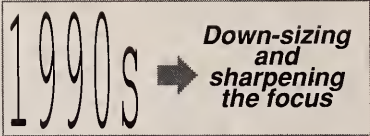
When we emerge from this tunnel, we will be leaner still as an institution. We already are leaner still, but I'm confident that we will be better positioned to step forward and make continued progress when we have come through the current period.

The fourth issue that I want to bring to your attention is the need to keep focused and to keep a steady course through these times. As a nation, we lost focus during the late 1960s and into the early 1970s. The rapid changes and the pressures arising from those changes caused blurred vision throughout our society. Our course through that time was very much a zig-zagged or a S-shaped course. We over corrected and over responded under the pressures of the times and failed to keep a steady course.

One of the most serious mistakes we made as a society during the 1960s and 1970s was to allow standards to deteriorate. Leveling pressures inter-

**"We've always had our critics in higher education ... it's just that the criticism is a little more intense now ..."**

sify during hard times and we allowed leveling pressures to make a very serious and deleterious impact on our society. Not just higher education, alone, but almost every aspect of our society suffered at that time from quality deterioration. Quality standards went down, productivity standards deteriorated, academic standards deteriorated, and even moral standards deteriorated. We saw in universities an increase in grade inflation; we saw pass/fail grading systems proliferate; we saw the elimination of examinations; in some cases we saw the introduction of cafeteria-style curricula; the elimination of language requirements and so forth. We have been working for the last decade, in fact, to regain the losses that occurred during this period. One example that I've cited on a few occasions is that in 1971 in intercollegiate athletics, the NCAA went from the 1.6 to the 2.0 rule for initial eligibility of freshmen. It sounds like an increase in standards but, in fact, it was a significant reduction in standards. Sometime later, Proposition 48 was introduced



to correct past practices. Last year, we raised the level of the requirements of Proposition 48. This was a courageous step forward. Yet, we are still below the standards required by the 1.6 rule in 1971. Standards are one area that we cannot afford to cut, and we should hold firm at Penn State on that issue at all costs. In fact, greater scrutiny will be required of our curriculum, of our teaching evaluation, of our research evaluation, and of our reward structure.

Another point of caution I will make is that the current pressure to resort to "back to basics"—which also occurs under times of stress—is a very dangerous one. The "back to basics" concept sounds good, but is simply not sound. We need to move forward to basics. Nostalgia is great, but the good old days weren't all good and there are some things that we should not give up—a few things like central heat and air conditioning, old air-conditioned computers, and so forth. We must move forward retaining what is good, adding what is better. Among the things we need to add are increased infrastructure in telecommunications in our institution, new teaching strategies incorporating these new tech-

## Future Committee process only beginning

Reviews of strategic plans to continue; Faculty Senate to be kept apprised

The University Future Committee has now received preliminary strategic plans from academic and administrative units and those plans are being made widely available throughout the Penn State community.

Last week 22 of the strategic plans were placed in the Penn State Room of Pattee Library and copies also are being sent to the libraries of every Penn State campus. In addition, copies of the plans were placed at the HUB desk and deans and other unit heads are making the plans for their specific areas available in their own offices.

"It has been nine months since President Thomas formed the Future Committee and we are now able to move into an orderly review of the directions that deans and unit heads are proposing for the academic colleges, the campuses and the administrative areas of the University," said Executive Vice President and Provost John Brighton.

"These strategic plans are not the end of the process," Dr. Brighton said. "Rather they form a foundation for much of the review and consultation that will occur this winter and next spring."

During the past few weeks and continuing through December and January, the Future Committee is scheduled to meet with every dean and unit head to review their proposals. Appropriate academic suggestions will be forwarded to the University Faculty Senate Council for further review this winter.

Later during the spring semester, probably starting in March, the President's Planning and Budget Advisory Committee—a broadly representative group including faculty, students and staff—will begin its review of the strategic plans.

In recent weeks a number of presentations have been made outlining the Future Committee process, including a report by Dr. Brighton to the Faculty Senate in November.

Dr. Brighton stressed again that the Future Committee process will be done in "an open, orderly and rational manner. President Thomas and I believe that it is important to do as much communicating as possible about how we are proceeding and progressing."

Explaining the reason for the Future Committee process, Dr. Brighton said that the current economic environment is markedly different from the 10-year period prior to 1992-93, when the University had an average annual increase in state allocation of approximately 7 percent and student tuition increases of over 9 percent.

"During the past two years we were required to return 5 percent and 3.6 percent of our state allocation at mid-year. In this current fiscal year we had a 3.7 percent permanent decrease in the state allocation—the first time we have had such a decrease since 1933."

Dr. Brighton said the University embarked on the Future process as a means to manage the economic constraints it faces in a manner that will preserve and enhance the academic quality of the University.

The college and unit strategic plans include proposals to enhance academic programs and operations through the internal reallocation process.

"The public discussion of the plans has been limited to focus on the proposed reductions," he said. "In the days ahead, we will be working hard on the proposed enhancements. The most critical part of our work will be

to reinvest as much as we can in the strengthening of Penn State's academic programs.

"This is how we will continue to move forward even in a period of declining resources. If we are successful, and the President and I have every reason to believe that we will be, we will have positioned ourselves to take best advantage of the inevitable economic upturn."

Dr. Brighton also noted that a very important aspect of the Future Committee's work is reviewing areas that may not be included in a single college or nonacademic unit.

"A major contribution of the committee will be to look at those items crossing two or more disciplines or units," he said.

Barton W. Browning, associate professor of German who serves on the Future Committee, provided the Board of Trustees with an update on the process at its Nov. 20 meeting.

Dr. Browning, who also is a member of the University Faculty Senate, said that "Given the recent pattern of underfunding by the state and given President Thomas's determination to hold tuition increases to a minimum, Penn State needs to concentrate its activities in order to achieve internal budget reductions.

"The time has come, as President Thomas has said, to refocus Penn State's budget. But, as he also stated, we must achieve these necessary reductions while preserving and, in fact, enhancing Penn State's academic quality."

He told the Board, "We have tried to cast our net as widely as possible in order to encourage broad participation in the consideration of possibilities for reduction, refocusing, and enhancement."

## Thomas

Continued from Page 4

nologies; new research strategies and opportunities; responding to the needs of our people; new service strategies; internationalization of our curriculum. We must not just be critics of our society—we need to be builders and molders as our alma mater says so well. We need to be futurists—but not just predicting the future—helping create that future as it should be.

Finally, I'd like to say that despite the environmental difficulties that I have described today, this university is making very good progress. I mentioned earlier, when I came here two years ago as president, we had a space crisis. We put together a capital improvement program to address units as a major effort, but we also sought to find leveraging for state funds and we've been successful at that. We have in place now the largest building program in the history of the university. The space problem is being solved and will soon be behind us.

"We're choice an option, I would rather have had a significant amount of that money to spend on academic programs, but that was not an alternative. We did capitalize on the options that were available and we have indeed addressed the space crunch in a manner that will put us in a better position to respond with program money when that becomes available.

"We have many other new and significant initiatives that are under way. The Faculty Senate in recent years has acted to strengthen the curriculum; we have added a diversity component, writing across the curriculum and other improvements. We have the New American Scientist Initiative in the Eberly College of Science, an initiative to improve the teaching and learning of science and mathematics.

We have an Engineering Coalition of Schools for Excellence in Education and Leadership—the so called ECSEL Program—another teaching and learning initiative. We have the Total Quality Improvement Program now under way in the College of Education, the Small College of Business Administration and the College of Engineering, and several of our non-academic units. The Small College of Business Administration has a major new internationalization program under way that's going to have a very positive impact on that college. You heard a report today from the College of Liberal Arts which I think should have added to your confidence in the progress being made in that area; another report on graduate education and research at the University pointed to the great progress and great promise of our leadership there. We have received a number of awards recently giving recognition for our work in using new technologies—we won a lion's share, I like to say, of the Joe Wyatt awards for using computer technologies in teaching; our faculty awards range from the Presidential Young Investigators to Fulbrights. In both of these awards our numbers are regularly among the highest in the nation.

My point here is that yes, these are difficult times; yes, we will have to discontinue some good programs and services; yes, there will be controversy; yes, these are very unpleasant tasks to deal with and are almost more difficult to communicate than to implement. But above and beyond the unpleasantness and the hardship that we all share—students, faculty, staff, trustees, and the broader community—this University is continuing on a steady course, it's on the right course, and it's making remarkable progress in the present environment.

## Natorium schedule

Following is the holiday schedule for the pool and fitness loft in the McCoy Natatorium at University Park:

Dec. 16, last day for regular schedule; Dec. 17 and 18, 11 a.m. to 1:30 p.m. and 5 to 7 p.m.; Dec. 19-23, 11 a.m. to 2:30 p.m.; Dec. 24-27, closed; Dec. 28-31, 11 a.m. to 2:30 p.m.; Dec. 31-Jan. 1, closed; Jan. 2-8, 11 a.m. to 2:30 p.m.; Jan. 9, 11 a.m. to 2:30 p.m. (fitness loft only); Jan. 10, 11 a.m. to 2:30 p.m.; Jan. 11, resume regular schedule.

## OBITUARY

Sherwood S. Stutz, retired assistant professor of wildlife technology at the Penn State DuBois campus, died Oct. 27 at the age of 71.

Mr. Stutz started the wildlife technology program at the campus and served as assistant professor of wildlife technology and program leader from July 1970 until his retirement May 16, 1988. He held an M.S. degree in vertebrate zoology from the University of British Columbia and specialized in harbor seal physiology and ecology.

At the campus, he served on the Faculty Senate, Academic Affairs Committee, the Steering Committee, Faculty Affairs Committee and chaired the Parking Committee. He was a member of the University Faculty Senate from 1979-1983.

Mr. Stutz was a member of numerous professional societies. Prior to his academic career, he served 30 years in the U.S. Army.



Renaissance man... State College Mayor Arnold Addison, the honoree at the 16th annual Renaissance Fund dinner Nov. 18, is greeted by President Thomas and his wife, Marly, at the Nittany Lion Inn at University Park. The event raised nearly \$37,000 for the Renaissance Scholarship Fund.

Photo: Greg Grieco

## Trustees give nod to preliminary plans for music building at University Park

The Board of Trustees has approved sketch/preliminary plans for the construction of the Music Building II at University Park.

As designed by the Ewing Cole Cherry firm of Philadelphia, the two-story, 350,000-square-foot structure will be located north of the existing Music Building and west of the Arts Building. It will be connected to both buildings by pedestrian bridges at the second floor.

Enrollment in the School of Music, part of the College of Arts and Architecture, has increased 102 percent since 1985.

The Music Building II will include a library, offices, practice rooms, technical laboratories for electronic music, a classroom and two ensemble rooms. Staggered windows will mimic the look of notes on a music sheet. Also, a frieze of cast stone will be incised with the names of prominent persons from the world of contemporary music.

The new building will be angled to create a pedestrian passageway between itself and the existing Music Building. This opening will be marked by a brick pylon and will serve as a gateway into the arts complex for pedestrians from the west.

Total project cost is \$5 million with an additional \$300,000 to be expended on site utility work to accommodate the building.

In other action, Trustees:

— Approved the purchase by the University of the building which houses the Community Health Center in Hershey for \$2.85 million.

The 19,350-square-foot building is an outreach effort of The Hershey Medical Center and is located on a 2.8-acre site at 845 Fishburn Road, Hershey. The Medical Center began to lease the building in 1990 from the Peanut Butter I General Partnership.

The site includes parking space for 120 cars.

The Community Medical Center offers personalized, comprehensive and continuing medical care on an outreach basis to families and individuals in Hershey and surrounding communities. Primary care services are available at the center from the Departments of Family and Community Medicine, Obstetrics and Gynecology, Radiology and Internal Medicine.

The building purchase reflects a growing national trend of



Architect's sketch of the Music II Building planned at University Park.

academic medical centers providing patient care in satellite facilities that are highly accessible to their patients.

— Approved plans for the construction of an addition to Dobkins Hall, the existing dining facility at Penn State Erie, The Behrend College.

The octagonal addition will contain a dining room with vaulted ceiling on the 4,100-square-foot main floor. Designer for the project is the Weber Murphy Fox firm of Erie.

## Changes in graduate and undergraduate programs noted

The Board of Trustees has been informed of changes in undergraduate and graduate programs.

The College of Agricultural Sciences dropped three options in the horticulture major: business and industry, horticultural crop production and horticultural science. Because a single revised curriculum has been developed for all students majoring in horticulture, the present set of options is no longer needed.

The four-year program in landscape architecture offered by the College of Arts and Architecture will be replaced by a five-year program. The change reflects

an increasing trend nationwide toward five-year programs, and will enable University students to compete effectively with the most highly regarded programs at other institutions.

The change will be effective in summer session 1995 or until all students currently enrolled in the major are out.

Changes in the graduate programs are:

— The addition of an option in human factors/ergonomics engineering in the master of science degree in industrial engineering in the College of Engineering.

— The College of the Liberal Arts has raised the requirement for examination performance in the master of arts degree in German. The program change emphasizes movement toward the Ph.D. and better qualifies a student for doctoral candidacy.

— The master of education degree in developmental and remedial reading has been dropped by the College of Education. The Language and Literacy Program in the Department of Curriculum and Instruction is sufficiently flexible to accommodate student needs.

## College of the Liberal Arts Research funding and publications on the rise

External funding for faculty research in the College of the Liberal Arts has quadrupled in the past seven years and the number and quality of publications by its faculty have increased significantly, the Board of Trustees has learned.

"The College has an excellent foundation for advancement as evidenced by the considerable improvements in recent years," College of the Liberal Arts Dean Susan Welch told the Board. Her informational report focused on recent progress and challenges associated with moving the college into a position of national preeminence in a time of budget constraints.

Pointing to a 20 percent rise in the number of graduate students over the past five years, an increase in their quality as judged by their Graduate Record Examination scores; their undergraduate academic performances; and the quality of the institutions they had attended, she also expressed considerable optimism about improvements in the college's graduate programs.

## "The core of the College of the Liberal Arts is the core of the University."

Susan Welch  
dean of the college

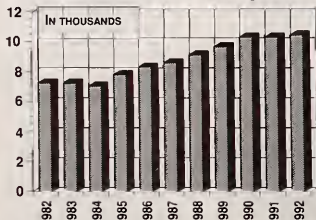
"Improvements in the national standing of the college are fully consistent with strengthening undergraduate education throughout the University," she said. "The college will strengthen those departments in which undergraduates enroll by the hundreds and thousands to learn to write better, speak better and to understand themselves and the past and present cultures around them."

Among the recent college achievements, Dean Welch pointed to the high rates of participation in education abroad programs among liberal arts undergraduates and encouraging declines in the average size of some upper-level classes.

"The University Future Process to reshape the budget in a way that improves quality has encouraged us to take a hard look at college programs," she said. Guided by the reality of doing fewer things better, she outlined restructuring and reorganizations now taking place. The college proposes to invest savings from these changes in graduate education, further improving the quality of the faculty, improving undergraduate education in English and the foreign languages, and advising.

"The core of the College of the Liberal Arts is the core of the University," Dr. Welch told the Board. "Its quality is crucial to the education of all Penn State students and to the University's national visibility."

Graduate Enrollments - Total University  
Fall Semesters - Includes non degrees



This graph was part of a report on University trends in research and graduate education presented to the Trustees. Substantial growth from 7,254 in 1982 to 10,441 in 1992 was achieved, Sall, David Shirley, dean of the Graduate School and senior vice president for research, says much more growth is possible.

## Financial statement reported

The Board of Trustees has received a report on the University's 1991-92 audited financial statements.

Kenneth S. Babe, corporate controller, said "Total assets of the University as of June 30, 1992 were \$2.8 billion, before depreciation.

Revenue received by the University in 1991-92 was \$1,345 billion. This is a 153 percent increase over the \$531 million received in 1981-82.

State allocations in 1991-92 accounted for 18.8 cents of every dollar, or 18.8 percent of total revenue, Mr. Babe explained. In 1981-82, state allocations comprised 26.2 cents of every dollar.

Tuition and fees now account for 26.0 percent of total income in 1991-92. In 1981-82, these accounted for 23.7 percent of total revenues.

The annual independent audit was performed by Deloitte and Touche. In addition, Mr. Babe said, the University's own internal auditing staff prepared 55 separate reports for the 1991-92 fiscal year.



# President Thomas discusses shared governance



Despite the tough economic times facing higher education and the nation as a whole, Penn State is positioning itself as a leader for the future, and shared governance will play an important part, according to President Thomas.

In his November talk to the University Faculty Senate, Dr. Thomas stressed the importance of communication and cooperation, and said Penn State is clearly "out in front" of other universities in terms of putting together a viable long-term strategy to deal with the financial crunch.

Dr. Thomas said he was encouraged to learn recently at the annual meeting of the National Association of State Universities and Land Grant Colleges

that Penn State is considered a leader in terms of charting a future course that emphasizes quality as it deals with financial constraints.

"Our leadership on this point positions us very well to take a major leap forward if the economy improves in a few years," he said. "We will not have to lose time making up lost ground in regard to academic quality. Instead, we can move forward from academic foundations that have been carefully maintained."

The work of the University Future Committee, now beginning to pick up momentum, is just one indicator of the administration's serious commitment to move the University forward during difficult fiscal times. Strategic plans reports from academic and non-academic units submitted to the UFC for its consideration are available for public inspection in the Penn State Room of Pattee Library at University Park and at campus library locations.

"Shared governance in our University calls for the diligent effort necessary from all parties at Penn State to reach consensus and not become bogged

down in endless discussion of alternatives," Dr. Thomas said. "It calls also for trust across the Penn State community."

Jerry Roschwalb, director of federal relations for NASULGCC, agreed, saying "everyone is in the same life boat and scrambling to save your part of the boat just won't work."

In a telephone interview about the issues discussed at the annual meeting, Mr. Roschwalb said most of the 160 member institutions of NASULGCC are encountering fiscal struggles, and some have been experiencing fiscal problems for a number of years.

"Institutions are now very carefully and very consciously examining what can give and what can be bolstered," Mr. Roschwalb said. "Across the board cuts are mindless. That's like telling everyone in your office to lose five pounds, but that's how budgets are sometimes done."

Mr. Roschwalb indicated that the approach being taken by Penn State to scrutinize programs and focus more sharply on academic quality, takes a great deal more thought, insight and dedication than across-the-board reductions.

"This type of careful planning,

although sometimes painful, is central to the educational quality and mission of a university, and is closely linked with the community concept," he said. "Call it communismianism or shared governance, but what it means is that in the long and the short term, we are all better off as contributors to something larger than ourselves."

Dr. Thomas told Senate members that the capacity and ability of the University community to make shared governance work will be severely tested over the next few years, but he believes the Penn State community can pull together to keep on a steady course of progress.

In other business:  
♦ Dr. Thomas said NASULGCC members also agreed to take a more active role in presenting higher education's case to President-elect Bill Clinton's administration. It is the hope of NASULGCC members that colleges and universities can serve a larger role in the next four years.

## Commencement

Continued from Page 1

health affairs and dean of the College of Medicine, is the speaker for the Graduate School ceremonies in Eisenhower Auditorium.

President Thomas will confer degrees at all ceremonies, and John A. Brighton, executive vice president and University provost, will preside at all undergraduate ceremonies.

David A. Shirley, senior vice president for research and dean of the Graduate School, will preside at the graduate commencement ceremonies.

C. Gregory Knight, vice provost and dean for undergraduate education, will present scholastic honors, and Wayne D. Lammie, CEO of the Penn State Schuylkill Campus, will recognize the associate degree graduates and the role of the Commonwealth Campuses.

Dr. Dutton joined Penn State in 1965 and was named head of the Department of Meteorology in 1981 and dean of the college in 1986. He received his bachelor's, master's and doctoral degrees from the University of Wisconsin, and is the author of two books and numerous articles, monographs and book chapters on atmospheric dynamics. He was named a Fellow of the American Society for the Advancement of Science in 1991.

Barbara Hackman Franklin has served as a commissioner at the U.S. Consumer Product Safety Commission, staff assistant to the President of the United States and was assistant vice president of the First National City Bank of New York. She is a 1962 Penn State graduate from the College of the Liberal Arts, served on Penn State's Board of Trustees from 1976 to 1982 and was named an Alumni Fellow in 1977.

Mr. Cahouet of Pittsburgh served as president and CEO of Crocker National Bank in San Francisco and president and chief operating officer of the Federal National Mortgage Association before joining Mellon Bank in 1987. He received his B.A. from Harvard University in 1954 and an MBA from the University of Pennsylvania in 1959. He is a member of the Board of Trustees of Carnegie Mellon University and a member of the Board of Overseers of the Wharton School at the University of Pennsylvania.

Dr. Everts joined Penn State in 1986 after serving as chairman of the Department of Orthopaedics and vice president for development of the University of Rochester Medical Center. He graduated from Colgate University in zoology in 1953 and received his M.D. from the University of Rochester School of Medicine and Dentistry in 1957. He has been president of all three of the national organizations in his field and is an active clinician and clinical researcher.

In addition to ceremonies at University Park, Penn State Harrisburg will hold ceremonies at 9:30 a.m. Saturday, Jan. 9, for 212 baccalaureate and 52 master's degree students. Penn State Erie, The Behrend College, will hold commencement at 1 p.m. Saturday, Jan. 9, for 147 baccalaureate and 18 master's degree students. In addition, about 363 associate degree students graduate from the Commonwealth Campuses.

An estimated total of 3,947 students will graduate from Penn State in January.



A 31-passenger bus that runs on compressed natural gas was formally donated to the University recently by Gary A. Robinson, president of Columbia Gas of Pennsylvania, shown above at left with President Thomas. The first of the University's 700-vehicle fleet to run on CNG — a fuel that practically eliminates air pollutants from the exhaust — the bus will be used by the Office of Admissions for tours of campus by approximately 20,000 prospective students and their parents.

Photo: Greg Grieco

## Search committee to identify candidates for director of legislative affairs position

A search committee has been appointed to identify candidates for the position of director of legislative affairs in the Office of Governmental Affairs.

Members are C. McCollister Everts, senior vice president for health affairs and dean of the College of Medicine; Richard D. DiEugenio, director of governmental affairs; Carol Herrmann, vice president for administration; David A. Shirley, senior vice president for research and dean of the Graduate School; and one additional member to be named.

The director of legislative affairs reports to the special assistant to the president for governmental affairs and serves as a liaison between the University and the Federal Government with primary emphasis on Capitol Hill. The individual must interact with elected and appointed officials and

their staffs, as well as with other university representatives in Washington, D.C.; must represent the University on a broad range of issues, as well as initiate, interpret, and analyze federal initiatives for university administrative and academic officials.

Knowledge of the federal legislative process is desirable and working knowledge of health-related issues is essential. The position involves regular travel to Washington, D.C. A bachelor's degree is required. Excellent oral and written communication abilities are necessary. A major emphasis will be placed on excellent interpersonal skills.

Letters of interest and accompanying resume, together with three current letters of reference, should be sent to Gloria D. Briggs, 421 Old Main, no later than Dec. 21.

### Flute Ensemble

The Penn State Flute Ensemble will perform in concert at 12:10 p.m. today in Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The 19-member ensemble will present a holiday program of Christmas and seasonal works, including "Green-leaves Fantasy" by Anne McClinton, "Noel," by G.F. McKay, "Let it Snow," by Sammy Cahn and "Death of a Diet," by Frank Lynn Payne. Eight new freshmen members of the ensemble will be featured in "Mono-chrome 1," by Peter Schickele.

Under the direction of Eleanor Duncan Armstrong of the School of Music faculty, the ensemble consists of graduate and undergraduate flutists. It performs works employing all members of the flute family in combinations of 3 to 19 players.

### Centre Dimensions

Centre Dimensions will present a concert of big band jazz at 8 tonight in the School of Music Recital Hall at University Park.

The program will include "Have You Met Miss Jones?," an arrangement by Frank Mantooth, which was commissioned for the band by Alpha Zeta Chapter of Phi Kappa Phi Alpha Sinfonia, "Corner Pocket" by Count Basie, "Carmelites by the Freeway" by Bob Florence and Ed Sarath's "Song for Lina."

Featured performers for this concert will be Steve Dekker, and Marty Bound. Mr. Dekker, a trombonist and graduate assistant in the jazz studies area, will perform "You are so Beautiful," arranged by Jim Pugh for the Woody Herman band. Mr. Bound, a trumpeter and junior music education major, will play "Good Morning Irene," by James Dale with arrangement by Rob McConnell.

Centre Dimensions is under the direction of Dan Yoder, associate professor of music and director of jazz studies.

The concert is free to the public.

### Scopes on WPSU

Pat Draper, professor of anthropology, will be the featured guest on the Dec. 3 segment of the WPSU radio program, "Scopes, Women and Minorities in the Sciences at Penn State." Mary Frances Picciano, professor of nutrition, will be the guest on the Dec. 10 segment.

The half-hour program will air at 12:30 p.m. following a companion National Public Radio program titled "Science Lives: Women and Minorities in the Sciences." It will begin at noon. The topic of the companion

National Public Radio program on Dec. 3 is "Science Aided," an interview with Anne Swanson, a chemist whose physical handicap influenced her decision to become a scientist; the Dec. 10 topic is "Equally Healthy," an interview with Secretary of Health and Human Services Louis Sullivan.

Dr. Draper's research concerns economic and social change, with a particular focus on African culture. A three-year grant from the National Institute of Aging has supported her research on intergenerational relationships among the !Kung Bushmen in Botswana. The process of adult development across cultures is an additional focus of her research program.

Dr. Picciano is known internationally for her work in maternal and infant nutrition. Her research has served as the basis for current nutrition recommendations for infants and for breast-feeding mothers, and for the improvement of commercially prepared infant formulas.

Londa Schiebinger, associate professor of history and host of the series, will interview Drs. Draper and Picciano.

"Scopes, Women and Minorities in the Sciences at Penn State" is sponsored and produced by the Eberly College of Science, the Office of Research Publications, and WPSU.

### 'Festival '92'

The Penn State Department of Theatre Arts is holding a festival celebration of its crafts and performances through Saturday, Dec. 5. The campus-wide showcase begins each evening at 8 p.m. and closes at midnight.

The festival features 36 performances by 20 different groups, highlighting two special performances by the Pittsburgh-based improvisational comedy group Theatre Sports Company at 8 p.m. Friday and Saturday, Dec. 4 and 5, in The Playhouse where third-year graduate technical design students will display their portfolios.

Festival tickets are \$3 for non-students and \$1 for students, will admit viewers to all festival events. The festival buttons are on sale at The Playhouse box office in the Arts Building. For more information about admission and Festival '92, call (814) 863-0493 weekdays between 9 a.m. and 5 p.m.

### The arts on Channel 3

Alistair Cooke, host of Masterpiece Theatre, since it began 22 years ago, will be honored in "The Alistair Cooke Farewell Salute," airing at 9:10 p.m. Sunday, Dec. 6, on WPSU-TV, Channel 3.

The 84-year-old British-born author, who is retiring at the end of this season, has described his role on the show as that of a "headwaiter," saying, "I'm there to explain for interested customers what's on the menu and how the dishes were composed. I'm not the chef."

Besides his headwaiter's job, the

Manchester-born Cooke, who has been a U.S. citizen since 1941, has another record to his credit. He's been explaining Americans to the British in his weekly "Letter from America," a 15-minute report that airs once a week on BBC radio.

### Big band jazz

Inner Dimensions and Outer Dimensions will present a concert of big band jazz at 8 p.m. Monday, Dec. 7, in the School of Music Recital Hall at University Park. The groups are part of the School of Music's jazz program.

Inner Dimensions, under the

direction of Steve Dekker, will perform several arrangements from the big band era. Included will be "El's Coming," by Maynard Ferguson, a Frank Mantooth arrangement of "Seems Like Old Times," "Yo Mambó" by Charles Argersinger, "Winner Circle" by Sammy Nestico and an arrangement of Charlie Parker's "Shaw Nuff" featuring the trumpet section.

Outer Dimensions, under the direction of Jim Robinson, will perform an arrangement of Horace Silver's "Song for My Father," "Blues in E Flat" by Bob Ojeda, "Back to Basic" as recorded by the Bob Stone Big Band and "No More Blues" as recorded by the Ashley Alexander Big Band.

The concert is free to the public.

### German Christmas

The Department of German is sponsoring a Christmas celebration of traditional German Christmas songs, poetry and music at 8 p.m. Tuesday, Dec. 8, in the Faith United Church of Christ, 300 East College Ave., State College.

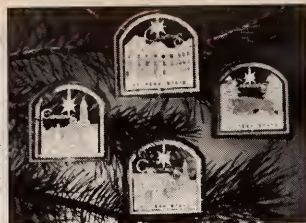
The public is invited to participate in singing Christmas songs, including "Vom Himmel Hoch," "Nun singet und seid froh," "O du Froliche," "Stille Nacht, Heilige Nacht," and "Kommet ihr Hirten." Singing will be accompanied by Tess Thompson on the piano and Carl Volz on the violin. The program also will include solos by Cynthia Mills, vocal solos, and poetry readings in German.

### Christmas ornament

The official 1992 Penn State Christmas ornament is available for \$14.95 at the Penn State Bookstore on Campus.

The fourth in the five-year "Christmas at Penn State" ornament series, this year's design features the newly renovated Nittany Lion Inn. The ornament is finely crafted of 24-karat gold on brass.

Past ornaments are available to complete the set: Old Main (1991),



Penn State Christmas ornaments — the 1992 version is at the top of this photo by Scott Johnson.

Nittany Lion Shrine (1990), and Penn State landmarks (1989).

Ornament sales benefit the Easton Seal Society of Centre and Clinton counties.

### New music

The School of Music will present "A Concert of New Music by Penn State Composers" at 8 p.m. Wednesday, Dec. 9, in the School of Music Recital Hall at University Park.

The program will feature recent compositions by undergraduate and graduate students in the composition program performed by student and faculty ensembles.

The event is the first of two such concerts to be presented during the 1992-93 academic year.

The concert is free to the public.

### 'Art-to-Go'

A photograph by Walker Evans will be on display during December in the Calder Way and Allen Street office of Peoples National Bank in State College.

The photograph, "West Virginia Interior in a Coal Town," was taken in 1936 during Mr. Evans' tenure with the Farm Security Administration. It captures a corner of a room filled with well-used furniture that is unexpectedly over-decorated with visual images such as a stand-up cardboard Santa Claus.

Mr. Evans (1903-75) is considered an influential figure in American journalistic photography. In his career with the Farm Security Administration, he traveled throughout rural America creating an historical record of the hardships endured during the Depression. He later worked for Time and Fortune magazines and published the book, *Let Us Now Praise*, a collection of his photographs that exemplifies the "Evans Style" which places emphasis on subject rather than technique.

This is the final installation of the exhibit. An 80-page book for the past 18 months, the public has been invited to view different works of art from the Palmer Museum of Art's collection at Peoples National Bank. Funding for Art-to-Go was provided by the Friends of the Palmer Museum of Art.

### Bach's Lunch

Six students of Suzanne Roy, associate professor of music, will perform in concert at 12:10 p.m. Thursday, Dec. 10, in the Helen Eakin Eisenhower Chapel at University Park. The 20-

# University Park Calendar

## Dec. 3 — Jan. 17

### SPECIAL EVENTS

**Thursday, Dec. 3**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel.  
Penn State Fule Ensemble.  
Singing Lions concert, 12:30 p.m. Kern Graduate Commons Lobby.  
Dept. of Theatre Arts, 5 p.m.-midnight, The Playhouse. Festival celebration. Through Dec. 5.

Big band jazz, 8 p.m., Recital Hall. Centre Dimensions.

Native American Indian Association and School of Communications film festival, Carnegie Cinema. "Columbus Day, 1992: A Day of Mourning," 6 p.m.; "The New Pequot: A Tribal Portrait," 6:25 p.m.; "The Learning Path," 7:45 p.m.; "Incident at Oglala," 9 p.m.  
Public talk, 7:30 p.m., Penn State Tennis Club. David Yukelson on "Tennis and Psychology."

**Friday, Dec. 4**  
■ Geography Coffee Hour, 3:30 p.m., 319 Waker. Cindi Katz on "Dis-placed: Children and Everyday Life in New York and Sudan."  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. "The Nutcracker." Also, 3 p.m. Dec. 5.

**Saturday, Dec. 5**  
Shaver's Creek, 9 a.m.-noon and 1-4 p.m. Wreathmaking Workshop. Also Dec. 6, 1-4 p.m. Call 863-2000."

**Sunday, Dec. 6**  
Annual holiday concert, "Take Joy," 7 p.m., Eisenhower Auditorium. The Penn State Women's Chorus, Penn State Glee Club, and the Singing Lions.

**Monday, Dec. 7**  
Art Education 590 Colloquium, 6:30 p.m., 230 Chambers. Kimberly Kranich on the "Purple Rabbit Show."

■ German film, 8 p.m., 108 Wank. "Das Brot der frühen Jahre," ("Bread of the Early Years").

Big band jazz, 8 p.m., Recital Hall. Inner Dimensions and Outer Dimensions.

**Tuesday, Dec. 8**  
■ Panel discussion on Fulbright grants, 5:15 p.m., International Lounge, 222 Boucke. Recipients will travel to Hungary, Zaire and Indonesia.

**Wednesday, Dec. 9**  
Shaver's Creek, 6:30-8 p.m. Walk When the Moon is Full. Call 863-2000.  
Student composers, 8 p.m., Recital Hall. "A Concert of New Music."

**Thursday, Dec. 10**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Students of Suzanne Roy.  
Faculty Staff Club, 5:7 p.m., Whiskers Lounge, Nittany Lion Inn. English pub party.  
Concert, 7:30 p.m., HUB Ballroom. The Symphonic Band.

**Friday, Dec. 11**  
Geography Coffee Hour, 3:30 p.m., 319 Waker.  
John Penderly, planner, Churchhill and Northern Railroad, on "The Impact of Climatic Change on Seasonal Travel: The Case of the Polar Express."  
"Sweet Singing..." a concert of carols and anthems, 8 p.m., Eisenhower Aud. Penn State University Choir with the Concert Choir.

**Saturday, Dec. 12**  
Open House, 9 a.m.-5 p.m., Chambers Gallery. Sunday Morning Art School.  
Fall Semester classes end.  
Shaver's Creek, 7:45 p.m., Owl Prowl. Call 863-2000.  
**Sunday, Dec. 13**  
Shaver's Creek, 2:30 p.m., Evergreen Walk.

Call 863-2000.  
A Sing-Along of Handel's Messiah, 3 p.m., Eisenhower Aud.

**Thursday, Dec. 24**  
University closed until Jan. 4.  
**Wednesday, Jan. 5**  
Spring Semester Arrival Day.  
**Saturday, Jan. 9**  
Fall Semester 1992 Commencement.

**Monday, Jan. 11**  
Spring Semester classes begin.  
**Wednesday, Jan. 13**  
School of Music, 8 p.m., Recital Hall. Norman Spivey, baritone.

**Friday, Jan. 15**  
Forum on Black Affairs, 6 p.m., HUB Ballroom. Dr. Martin Luther King Jr. Memorial Banquet.

School of Music, 8 p.m., Recital Hall. James Lyon, violin.

**Saturday, Jan. 16**  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. "Grand Hotel, The Musical."

### PUBLIC RADIO

**WPSU-FM 91.1**  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.  
"Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubenstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

### CONFERENCES

**Dec. 7-11.** Tax Week at Penn State; 350 attendees; Days Inn; L. Jenkins, chair; G. Peterson, coordinator.

**Dec. 9.** ISO 9000: Implementation Methods; 45 attendees; Nittany Lion Inn; P. Plank, chair; C. Hard, coordinator.

**Dec. 14.** Well Control Refresher Course; 15 attendees; S. Supon, chair; R. Maclean, coordinator.

**Dec. 16-17.** Leadership Training Program; 85 attendees; Nittany Lion Inn; B. Hartman, chair; E. Loop, coordinator.

### SEMINARS

**Thursday, Dec. 3**  
■ International Lecture Series, 9:30 a.m., International Lounge, 222 Boucke. Eduardo Ramos, Federal Univ. of Bahia, Bahia, on "Brazil: Recent Political and Economic Developments."  
Gerontology, 3:45 p.m., 106 Mitchell. Paul Eslinger on "New Directions in Research in Alzheimer's Disease."  
Biology, 4 p.m., 8 Mueller. Cindy L. VanDover, Woods Hole, on "Shedding Light on Mid-Atlantic Ridge Vent Communities: Ecology and Photobiology of Sulfuric Shrimp."  
Computer Science, 4 p.m., 325 Whitmore. Mike Singer, North Carolina State Univ., on "Formal Solutions of Differential Equations."  
Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Saurabh Kumar.

**Friday, Dec. 4**  
Agricultural and Biological Engineering,

12:20 p.m., 239 Ag Engineering. Jenshin Lin on "Modeling of Eggshell Damage During Rapid Cooling."  
School of Forest Resources, 1:25 p.m., 105 Ferguson. Al Sample, American

Growth through Consumption on Herbivores."

**Wednesday, Dec. 9**  
Accounting Research Colloquium, 3:30-5:30 p.m., 333 Beam BAB, Jacob Thomas, Columbia University, on "Valuation of Perma-ment, Transitory, and Price-Irrelevant Components of Recorded Earnings."

**Thursday, Dec. 10**  
Gerontology Center, 4 p.m., 106 Mitchell. K. Danner Clouser on "The Elderly and Some Moral Concerns."

Industrial and Management Systems Engineering, 4:30 p.m., 314 Hammond. Ed DeMeter.

**Friday, Dec. 11**  
Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. Sarah-Jane Frankland.

Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Benny Motowanu, Univ. of Mich., "On the Art of Saying No."  
Agronomy, 3:45 p.m., 101 ASI Bldg. David L. Gustine, USDA Pasture Lab. "Red Clover Root Rot Complex."

**Monday, Dec. 14**  
Entomology, 3:45 p.m., 107 ASI Bldg. James Marden on "Intraspecific Polymorphism in Optimal Body Temperature in a Dragonfly."

### EXHIBITS

**Chambers Gallery**  
Collaborative Postcard Prints, through Dec. 4.

**Hotzel Union Building**  
Lobby:  
"Buy Recycled" exhibit, through Dec. 18.

**Art Alley:**  
Artwork by Cristyn Lynn Gregory, DuD, through Dec. 15.

**Browsing Gallery:**  
Watercolors by Robert O. Sherman, through Dec. 9.

**Formal Gallery:**  
"Masks and Transformations" by Kathleen Jacobsen Frank, through Dec. 9.

**Kern Galleries**  
Jewelry by Denise Arew, until Dec. 11  
Ceramics by Marcia T. Scheeter, until Dec. 11

**Penn State Intercom's "Focus on Research,"** until Dec. 11.

**Pattie Library**  
Main Lobby:  
United Steelworkers of America Archive exhibit, through Jan. 29.

**Zoller Gallery**  
School of Visual Arts Faculty Exhibition, until Dec. 10.

**Master of Fine Arts Exhibition, Dec. 14-18.**  
"Photo National," national journal exhibition of contemporary photographs, from Jan. 11 through Feb. 28.

■ Reflects an international perspective



"The Goddess Dilemma," by Kathleen Jacobsen Frank, part of the artist's complete work on exhibit at the HUB Formal Gallery until Dec. 9.

Forestry Assn., on "Creating the Institutional and Policy Framework to Implement Ecosystem Management."

Physical Chemistry/Chemical Physics, 2:30 p.m., SS Osmond. Marilyn Kamra. Center for Research in Conflict and Negotiation, 3 p.m., 115 Beam. Hamid Sabourian, Univ. of Cambridge, on "Evolutionary Dynamics Played by Machines."

**Agromony, 3:35 p.m., 101 ASI Bldg.** Eva Pell on "Ozone Induction of Accelerated Foliar Senescence."

**Monday, Dec. 7**  
Agricultural and Biological Engineering, 12:20 p.m., 239 Ag Engineering. Joel L. Cuelo on "Design and Scale up of EBB-and-Flow Bioreactor (EFBR) for Plant 'Hairy Root' Cultures."

**Tuesday, Dec. 8**  
■ Plant Pathology, 1 p.m., 112 Buckhout. James Travis on "Kangaroos, Billabongs and AusVit: An Australian Framework to Implement Ecosystem Management Expert System."

Chemistry, 3 p.m., SS Osmond. William DeGrado, DuPont, on "De Novo Protein Design."

Nutrition, 4 p.m., S-209 Henderson. Wesley C. Hymer on "Science, Business and Politics in Space."

Biology, 4 p.m., 8 Mueller. Robert Margolis, University of Missouri, "Trophic Interactions: Impact of Insectivorous Birds on Plant

# U.S. delegation to examine Vietnamese society

A ten-member delegation of United States faculty members will visit Vietnam next month to participate in a seminar on the "Family and the Condition of Women in Society."

The seminar is being organized by Kathleen L. Barry, associate professor of human development and family studies, who will lead the delegation, which includes seven Penn State faculty members.

The seminar will give us an opportunity to see what life is like in Vietnam," Dr. Barry said. "Vietnam is not discussed as anything other than a place where there was a war and MLAs.

"But there is a whole country there. There is a society with women and children. And we will have the opportunity to closely examine that society."

While attending a faculty seminar in Vietnam two years, Dr. Barry raised the question about the noticeable absence of women and children in the discussions. After a lively exchange on family issues, she was invited by the director of the new Women's Study Program in the Institute for Social Science to organize a seminar on women and children.

The delegation will be in Vietnam from Jan. 4 to Jan. 17. Each member has prepared a paper as have ten faculty members in Vietnam's Institute for Social Science.

**"We see the seminar as a real opportunity for academic-university exchange and for field research on the family and women in Vietnam."**

Kathleen L. Barry  
associate professor

"We have exchanged the papers in advance," Dr. Barry said, "and we will have plenty of time for discussion during four days of meetings in Saigon. We'll also visit social service programs and agencies and then travel between Saigon and DaNang, with a visit to a small village to determine what life is like there for women and children."

The group will then spend four days in Hanoi, where they'll meet with government officials and have briefings at the policy level with leaders of women's

organizations and women's research programs.

"We see the seminar as a real opportunity for academic-university exchange and for field research on the family and

women in Vietnam," Dr. Barry said. She said the seminar has been difficult to organize because there are no diplomatic relations between the United States and Vietnam.

"It has taken longer and has been much more difficult than normal. But we have been able to work things through the State and Treasury departments. And the University has been supportive."

W. LaMar Kopp, deputy vice president for international programs said the seminar is an important initiative on an

academic level.

"It's an international effort being encouraged by the University," he added. "We are pleased Dr. Barry is taking the leadership on this initiative."

Penn State faculty members in the delegation, in addition to Dr. Barry, are: Linda M. Burton, associate professor of human development and family studies; Patricia Draper, professor of anthropology and human development and family studies; Lynne Goodstein, associate professor of administration of justice and director of the Women's Studies Program; Michael P. Johnson, associate professor of sociology and women's studies; Carolyn E. Sachs, associate professor of rural sociology and women's studies; and David Shapiro, associate professor of economics and women's studies.

Other members are Cynthia H. Enloe, professor and chair, Department of Government, Clark University; Mariam Darce Frenier, professor of history, University of Minnesota; and Linda J. Yarr, Global Women's Studies, Friends World Program, Long Island University.

## Arts

### Continued from Page 8

minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will consist of selections by Handel, JS. Bach, Randall Thompson, Adolph Adam and Thomas Dunhill that celebrate the Christmas season.

Performing solos will be undergraduate music majors Pat Vallet, Jenny Keamey, Karen Jones, Mamie Beard and Stacy Malachowski. Graduate student Bambi Arledge will conclude the program with a spiritual.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided. This will be the final Bach's Lunch concert of this semester.

The concert is free to the public.

### Holiday concert

The Penn State Women's Chorus, the Penn State Glee Club and the Singing Lions will present the annual holiday concert, "Take Joy," at 7 p.m. Sunday, Dec. 6, in Eisenhower Auditorium at University Park.

The Women's Chorus, a 60-voice ensemble co-directed by Lynn Ellen Drafall and Elizabeth S. Tilghman, will present selections by Palestrina, by Lasso, Praetorius, Vivaldi and Johann Rutter. The Keynotes, a 20-voice women's chamber choir, will sing works by Saint-Saens and Hobst, as well as selections from Benjamin Britten's "Ceremony of Carols."

The Penn State Glee Club, an 80-voice men's chorus directed by Bruce Trinkle, will sing a number of selections from their newly-released recording, "PS - Happy Holidays" (which will be available at the concert), including "Silent Night," "Adeste Fideles" and "Light the Legend, a

Song for Hanukkah." The Glee Club will be joined by the University Brass Choir, directed by Joseph Skillen, in an arrangement of "Angels We Have Heard on High." The Hi-Lo's will sing the shepherd's choruses from Menotti's "Amahl and the Night Visitors" and "Jingle Bells." The Women's Chorus and the Glee Club will be joined by a chamber orchestra in the premier performance of "Take Joy," a Christmas anthem by Trinkle, based on the inspiring 16th-century text by Fra Giovanni.

The Singing Lions, directed by Peter Kiefer and accompanied by a six-piece instrumental ensemble, will perform selections based on the theme, "The Meaning of Christmas," including "White Christmas," "Sleigh Ride," "Carol of the Bells" and "Deck the Halls." The 20 singers will conclude the program with their traditional production of the children's Christmas classic "Twas the Night Before Christmas."

Tickets for the concert are \$5 for the general public; free to students with ID. For ticket information, contact the Eisenhower Auditorium Ticket Center at (614) 863-0255.

### Celebration of authors

The Penn State Bookstore on Campus will have the annual Celebration of Authors from noon to 2 p.m. Dec. 7-9. The authors featured are:

- Dec. 7: Charles Meek and Greg Hoover, *Great Rivers*, Great Hatches Stackpole Books, 1992; Jack Weaver, *Phantoms of the Woods* (1992).
- Dec. 8: Charles Fergus, *Gunt Dog Breeds* (Lyons and Burford, 1992); also *The Wingless Crow, Shadow Catcher, Rough Shooting Dog*; Anne C. Rose, *Victorian America and the Civil War* (Cambridge, 1992); Robert Lima, *Mayanilla, The Old Ground*; Marc Levy, *35mm Source Book* (Focal Press, 1992).

Dec. 9: Linda Feltnan, *Bed and Breakfast and Unique Inns of Pennsylvania* (Crystal Springs Publishing, 1991); Dwight Landis, *Trout Streams of Pennsylvania* (Hempstead-Lyndell), Scott Adams, *Bike Rides From Beaver Stadium*.

The Celebration of Authors takes place during the Appreciation Sale at the Penn State Bookstore, Dec. 7-23. The authors' books, as well as most of the books in the General Book Department, are offered at 20 percent off during this sale.

### Symphonic Band

The Symphonic Band, under the direction of Ned C. Deihl, professor of music education, will present a concert at 7:30 p.m. Thursday, Dec. 10, in the HUB Ballroom at University Park.

The band will perform a program of both pops and classics, including Dello Joio's "Variants on a Medieval Tune" based on the theme, "In Dulci Jubilo" ("Good Christian Men Rejoice") to celebrate the Christmas season; "Prologue and Dances" by Del Borgo; the overture to "La Belle Helene," based on the light operatic satire of Helen of Troy by Offenbach.

Also, "West Side Story" medley by Bernstein; "Color," a new work by band by Margolis intended to demonstrate various instrumental colors and textures based on old English folk songs; "March Rakoczy" (Hungarian March) by Berlioz; and "Trombone Rag," a quartet featuring Tom Mensch, Nicholas Dinunzio, Colleen Fisher and Eric Knowlton. Douglas Orzolek is graduate assistant with the band.

The concert is free to the public.

### University Choir

The Penn State University Choir, under the direction of Lynn Drafall, assistant professor of music, assisted by Anthony Leach, graduate student in music education, will present "Sweet Singing ..." a concert of carols and anthems at 8 p.m. Friday, Dec. 11, in Eisenhower Auditorium at University Park.



The program will include choral music by Weelkes, Mozart and Vaughan Williams as well as familiar carols.

Guest artists include the Penn State Concert Choir, under the direction of Anthony Leach; Sine Nomine, a self-conducted chamber ensemble of University Choir members; Karen Eckenroth, guest soprano soloist; and the University Brass Choir under the direction of Joseph Skillen, graduate student in music performance.

The program will conclude with a joint choral performance of Daniel Pinkham's "Christmas Cantata" accompanied by the University Brass.

Tickets are \$5 for adults; \$3 for students. For ticket information, contact the Eisenhower Auditorium Ticket Center.

### HUB galleries

"Delicate, but loose," says Cristof Lynn Gregory Doud of her own artwork, on exhibit now through Dec. 15, at the Art Alley Panels in the Hertzell Union Building Galleries at University Park.

As gentle washes of watercolor inside finely drawn ink drawings on parchment, Ms. Doud's art recreates the airy freshness of a potted geranium or a newly cut bunch of wild daisies by placing her flowers in familiar settings such as a quiet back porch.

"I want to combine beauty and livability, hence if my art is not out there being appreciated by other people then it isn't doing what I intend it to do," she says.

The artist considers her exhibition to be a cohesive body of work that is on-going, "It's not ready to stop," she adds.

# Focus on Research

Intercom  
December 3, 1992

## Disappearing act

### University scientist develops biodegradable polymer

Just add water, wait two years and your fishing line, soft drink bottle and plastic film will disappear if they are made from a University researcher's biodegradable plastics.

"What we have is a polymer that can be made into fiber or film, can be extruded and is degradable," said Bernard Gordon III, associate professor of polymer science and developer of hydrodegradable polyesters.

Plastics are made of long molecules that entangle with each other. Until the 1970s, the aim of plastics manufacturers was to make their products last longer, be tougher and stronger. Environmental concerns now dictate that plastics be recycled or biodegraded, but there are few plastics that bacteria will eat. One approach to degrading polymers is to include a substance that bacteria can consume, such as corn starch, so that when bacteria eat the cornstarch, the plastic falls apart. The plastic molecules, however, remain the same and bacteria can not degrade them.

"There is one company, Warner Lambert, working on a 96 percent cornstarch plastic that works in injection molding, but is not good for making fibers or film," said Dr. Gordon. "Unlon Carbide has a plastic that bacteria will eat, but it has a very low melting point, about what you would expect in an automobile trunk in summer."

Other biodegradable plastics are just too expensive for widespread use, according to Dr. Gordon. Commodity resins used today cost less than a dollar per pound while some biodegradable plastics are as much as \$15.

"The material we are using now costs about \$1.60 a pound," said Dr. Gordon. "The material we are working to develop will probably cost less."

**At 120 to 140 degrees Fahrenheit, the material falls apart in three days.**

Dr. Gordon, P.P. Sharma and S. Heidary, graduate students, are modifying polyester-like backbone structures so that there are sites on the structures that are attacked and degraded by water.

"Our material has only been tested for molecular weight reduction and not actual biodegradation," Dr. Gordon said. "The molecular weight reduction tests show the weight goes way down and we know that as molecular weight decreases polymers become more biodegradable. We haven't done actual biodegradation tests because they cost upwards of \$35,000."

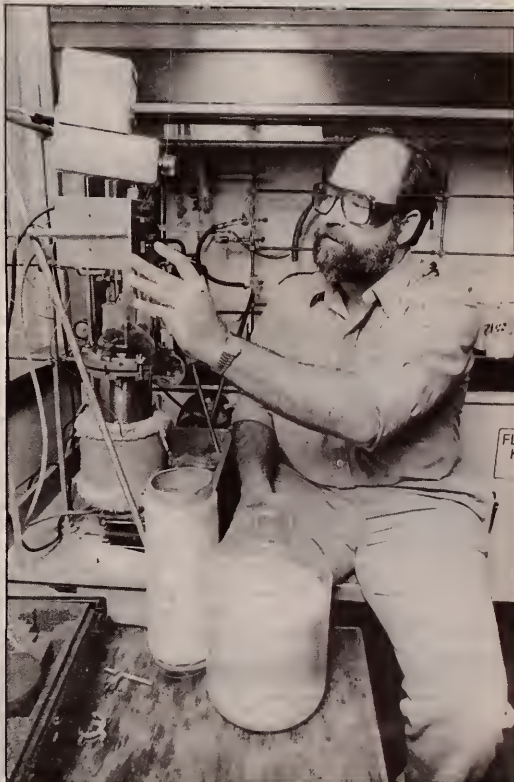
The researchers have tested their polymer and know that at 120 to 140 degrees Fahrenheit, the material falls apart in three days. At composting temperatures, the plastic lasts only five days and, under naturally occurring temperatures, the material will disintegrate in a year or two.

The University has applied for a patent and Brown Bear Bait, Pittsburgh, the company that supplied the initial funding for the project, has the license to produce a biodegradable fishing line. Polymer Chemistry Innovations Inc. of State College, Pa., a company started by Dr. Gordon, holds the license for all other applications.

"This polymer isn't good for anything that requires long term strength because water in the air will degrade it over time," said Dr. Gordon. "Fishing line will probably need to be replaced yearly because of degradation, but plastic fishing line will no longer tangle up marine and lake habitats."

One reason why these hydrodegradable polyesters are commercially attractive is that they can be made either in standard polyester reactors or by reactive extrusion. In reactive extrusion the components of the final plastic mix and react during the extrusion process.

The use of existing technology and the flexibility to make fiber, non-woven fabric, extruded pieces and film, coupled with reasonable cost, make these



Bernard Gordon III

Photo: Greg Grieco

hydrodegradable polymers attractive in their own right. Add to that the effect on landfills and the environment, and hydrodegradable polyesters may start appearing and disappearing in the near future.

—Andrea Elyse Messer



## Highlight on Undergraduate Education

# Mater Building offers opportunities for students from many areas

New laboratories for hospitality management currently under construction at the University will bring together not only hotel, restaurant and institutional management students but also engineering students.

A collaboration between the School of Hotel,

Restaurant and Recreation Management and the Department of Architectural Engineering will create and kitchens that are state-of-the-art cooking areas and research laboratories simultaneously in the new Mater Building at University Park.



Engineering students get hands-on experience ... as the Mater Building is constructed on the University Park Campus. Photos: Greg Grieco



The Mater Building construction is slated for completion late next summer. The building will be the new home for the School of Hotel, Restaurant, and Recreation Management, and will include the school's dining room, production and research kitchens, classrooms, technology center, audio, hospitality information systems lab, and offices.

"A new building is an ideal place to construct a kitchen where research on ventilation, energy costs and the environment can be carried out," said Charles N. Claar, director of facilities management programs, architectural engineering.

The Mater Building, named after A. Laura Mater and the late Marlin C. "Matty" Mater, will have production, research and demonstration kitchens, dining rooms and other instructional and research areas.

Three areas of hospitality facilities management are of interest to those designing the project and to future researchers — kitchen ventilation, the dining room environment and energy use management.

The Electric Power Research Institute identifies kitchen ventilation as the most pressing energy related issue in the food service industry," Mr. Claar said.

"Because we will operate a full, production kitchen, we can operate in parallel to a normal restaurant and determine the requirements to safely remove grease and heat from the kitchen at least cost," Carolyn U. Lambert, associate professor of food systems management, noted.

Present codes and standards for kitchen ventilation are based on rules of thumb and were not developed as a result of solid research. Current requirements may be 25 to 50 percent in excess, according to Mr. Claar.

"I've seen figures indicating that ventilation costs are about \$4,000 a year for a restaurant and between half to a billion dollars industrywide. I think we can save about half the amount spent on heating, cooling

and ventilation."

The various kitchens in the Mater Building will have a range of ventilation equipment and configurations. The production kitchen will have four ventilation hoods, rather than one, and the amount of air exhausted to the outside will be adjustable. The research and demonstration kitchens will have both fixed-speed and variable-speed hoods.

The utility distribution system is another area where preplanning will pay off for students in both the hospitality area and engineering. Plans call for a total energy end-use monitoring system and the capability to change all the components of the kitchens.

"Normally students wouldn't be exposed to a full range of appliances," Dr. Lambert said. "As I have visited facilities around the country, I see the same work stations — a range top and a deep fryer."

The production kitchen will be configured so that electric and gas equipment can be interchanged. The instructional kitchen's six work stations each will have different equipment and will allow both gas and electric appliances.

"The idea is that when you want to explore quantity methods of food production, there are different ways to do the same thing," she added. "In the past, when the only choice to steam was a stock pot on the range top or a pressure steamer, it was different."

"Now there are multiple ways of reaching the same final product and students should be familiar with as many as possible. How does a roast turn out in a conventional oven compared to a convection oven or a combination convection-steam oven?"

The utility distribution system will continuously monitor energy use regardless of whether appliances are gas, electric or both.

When students in the food production classes move into the 150-seat dining room planned for the Mater Building, the environmental system will be innovative and experimental.

"We will be able to alter the environment — the temperature, humidity and lighting — to change the mood," Dr. Lambert said. "We want to analyze and evaluate the impact of lighting and other things on turnover."

The Food Production Systems class runs a popular weekday lunchtime cafeteria beginning about the third week of each semester, and students in the Advanced Quantity Food Production prepare about 20 theme dinners each semester.

The dining room will be equipped with a lighting system flexible enough to switch from incandescent to fluorescent, from downward to upward directed lighting and to test new lighting fixtures. Graduate students, faculty and interested upperclass students in both engineering and hospitality areas will use the dining room as a living laboratory for investigating restaurant ambience and how subtle changes affect people.

### PARTINGS

Barbara W. Davis, associate professor of agriculture and extension education, from Aug. 1, 1974, to June 30, 1976, and Sept. 1, 1977, to Oct. 1, 1979, until Aug. 22.

Glenna S. Giannone, administrative assistant in President's Office, from Aug. 8, 1977, until Aug. 22.

Marguerite B. Gravez, lecturer at Allentown Campus from Jan. 1, 1978, until June 1.

John W. Malone Jr., professor of agricultural economics, from Jan. 15, 1975, to Nov. 1.

Cheryl A. Miller, associate extension agent in Agriculture, from Sept. 2, 1975, until Aug. 1.

Elsie M. Moyer, staff assistant at the Hershey Medical Center, from Jan. 7, 1981, to Nov. 14.

Dorothy A. Paschall, secretary C at Delaware County Campus, from July 2, 1979, until Aug. 1.

Frederick K. Rozenblat, assistant operations supervisor in C&IS - Center for Academic Computing, from Dec. 26, 1981, until Aug. 1.

William D. Stoner, carpenter A in Office of the Physical Plant, from May 14, 1973, until Aug. 22.

Ruth V. Truett, staff assistant at Delaware County Campus, from June 2, 1980, to Oct. 31.



### Research Park construction

Steel framework is nearly complete for the 63,000-square-foot Technology Center at the Penn State Research Park at University Park. The facility will house offices of the Penn State Economic Development System, as well as a business incubator operated by the Centre County Industrial Development Corporation. Also under construction at the site are a 500,000-square-foot R&D laboratory, to be occupied by University research programs, and a five-story, 150-room hotel/conference center.

Photo: Greg Grieco

# International student compliance with insurance policy high

Most international students at the University continue to comply with the University's health insurance requirements, according to David Lindstrom, assistant director of University Health Services and head of the Insurance Office.

"Compliance with the University's requirement that international students either purchase an acceptable insurance plan from a vendor of their choice or one offered through Penn State continues to be over 95 percent," Mr. Lindstrom said.

"Since students are now making plans for the spring semester, the Insurance Office wants to remind

faculty and staff who work with international students of the requirement," he headed.

The insurance requirement, which is recommended by a number of national organizations that work to promote international education, has been in place at Penn State during the past two years. In the past, a handful of students failed to comply with the requirement, which affects international students, their dependents (spouse and/or children), and graduate assistants.

Starting with spring semester students, the University has instituted a \$50 late fee for students who

have not provided proof of complying with the insurance requirement by Jan. 25 — the last day to be enrolled for classes that semester.

"Compliance with the policy always has been extremely high," Mr. Lindstrom said. "We expect that to continue and we hope the idea of a late fee may be largely moot."

Any required student who does not comply with the policy will not be legally enrolled at Penn State. Questions about the insurance requirement should be directed to the Insurance Office.

## FACULTY / STAFF ALERTS

### Occupational Privilege Tax

In order for the University to comply with the Occupational Privilege Tax regulations imposed by the various taxing districts, the \$10 tax will be deducted from full-time and part-time employees as soon as an employee's gross earnings exceed \$1,000 in 1993.

If during the year, a person who has already paid the tax is hired, a copy of the payment receipt must be forwarded to the Payroll Office in order to avoid having the tax deducted again.

The Occupational Privilege Tax is not in force at all University locations.

### Withholding reminder

The Payroll Office wishes to remind those employees who filed a Withholding Exemption Certificate - University Form W-4E - for 1992 that this certificate will expire Feb. 15, 1993, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E should be renewed annually. The W-4E should not be used by international employees to claim exemption based on a tax treaty. IRS "Form 8233" is used for that purpose.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1993. You may claim exemption from withholding if you had no income tax liability for 1992 and if you anticipate no income tax liability for 1993. Forms are available from the Payroll Office, 307 Rider Building.

In general, the elimination of the withholding applies only to those working part-time. The principal advantage is that for some, it may eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

### W-2 reminder

Time is quickly approaching. In order to ensure there are no problems with receiving your W-2 in a timely fashion, the Payroll Office would like to remind you to check and make sure that you have the correct address on file. If you need to make a change, please submit a new W-4 card and/or office address change as soon as possible.

### International University employees

Effective for calendar year 1993, all "Non-U.S. Citizens" employed by the University, including teaching and research assistants as well as post doctoral scholars, must complete Penn State's "Alien Information Request Form". This form is used to collect information to be used in determining immigration categor-

ry or residency status for income tax purposes.

If you are a U.S. "resident alien" and already have a W-4 on file, no additional forms need to be completed and you will be treated like a U.S. Citizen for tax purposes. An individual is deemed to be a RESIDENT ALIEN of the U.S. for a calendar year if the individual:

— is a lawful permanent resident of the U.S. (i.e., meets the "Green Card Test"), OR  
— meets the "Substantial Presence Test" (see "Alien Information Request Form"). J and F visa students are exempt from taking the Substantial Presence Test and must be treated as NONRESIDENT ALIENS for the first FIVE years they are in the U.S.

If you are a "nonresident alien" you must complete a new W-4 form. Nonresident aliens should complete the W-4 as follows:

— must claim single marital status whether or not actually married (item 3 on the W-4).

— must claim no more than one allowance (item 4). Nonresident aliens from Mexico, Canada, Japan and the Republic of Korea, however, can take advantage of the additional withholding allowances.

— must request additional withholding of \$6 if paid biweekly or \$13 if paid monthly (item 5).

— Nonresident aliens married to resident aliens or U.S. citizens can elect to be treated as resident aliens for tax purposes.

If you are exempt from federal tax withholding or are subject to a reduced rate of withholding on the basis of a tax treaty, you must complete IRS form 8233 "Exemption from Withholding on Compensation for Independent Personal Services of a Nonresident Alien" and submit that form to the Payroll Office. Nonresident aliens from the Peoples Republic of China also must complete and submit Penn State's form "Revenue Procedure 87-8" (or 87-9) as well.

The "Alien Information Request Form," the new "W-4" the IRS "Form 8233," and the new "Revenue procedure 87-8" or "87-9" must be in the Payroll Office no later than Jan. 8, 1993.

These forms, as well as more detailed information, are available in your departmental office, your college Financial Officer's Office, the Payroll Office, 307 Rider Building, the Office of International Students, your college Human Resources Office, and the Office of Human Resources in Rider Building.

### Tax deferred annuity changes

Effective Jan. 1, 1993, faculty and staff who contribute to a tax deferred annuity

(TDA) may designate a percent of salary instead of just the current flat dollar contribution amount. By selecting a percent, the need to make annual adjustments for salary increases or supplemental compensation is eliminated. The option to designate a flat dollar amount remains available.

Tax deferred annuities are available from Equitable Life Assurance Society, Teachers Insurance Annuity Association-College Retirement Equities Fund (TIAA-CREF) and the Variable Annuity Life Insurance Company (VALIC). TDAs provide the option of purchasing additional retirement income benefits with dollars not subject to current federal income tax.

If you contribute to an Equitable or VALIC TDA and desire to convert to a percentage, please contact your Equitable or VALIC representative. If you contribute to a TIAA-CREF TDA, you may obtain a revised Agreement for Salary Reduction form from the Employee Benefits Division, your human resource representative or local campus business office.

To be effective in January, your new agreement reflecting the desired percentage must be received in the Employee Benefits Division no later than Dec. 20.

### International students on scholarships

Effective Jan. 1, 1993, scholarship and/or fellowship amounts from U.S. sources in excess of tuition received by international students will be subject to Federal Income Tax withholding of 14 percent unless exempted by tax treaty, or immigration status is that of a lawful permanent resident of the U.S.

In order to be exempted from withholding based on a tax treaty or immigration status, international students who are scholarship and fellowship recipients must submit Penn State's version of IRS form 1001 to the Payroll Office, 307 Rider Building, by Jan. 8, 1993.

These forms, as well as additional information regarding tax matters for U.S. Aliens, are available in your departmental office, your college's Financial Officer's Office and Human Resources Office, the Office for International Students, the Office of Student Loans and Scholarships, the Office of Student Aid, and in the Payroll Office.

### Pattee Library hours

Pattee Library is offering extended hours in the Reserve Reading Room and East Pattee floors 1-4 during final exams. The hours for these areas in Pattee are as follows:

Friday, Dec. 11, 7:45 a.m. to mid-

night; Saturday, Dec. 12, 8 a.m. to midnight; Sunday, Dec. 13, 9 a.m. to 2 a.m.; Monday, Dec. 14, through Thursday, Dec. 17, 7:45 a.m. to 2 a.m.; Friday, Dec. 18, 7:45 a.m. to midnight; Saturday, Dec. 19, 8 a.m. to 5 p.m.

All other areas of Pattee Library will follow their normal schedule during the final exam period.

Pollock Library will continue its 24-hour service Dec. 11-18. On Saturday, Dec. 19, Pollock will be open 8 a.m. to 5 p.m. Pollock will remain closed through Sunday, Jan. 10.

For more information on the Libraries' hours of service, please call 865-3063.

### Holiday mail service

Mail Service to the University community will be suspended from 5 p.m. Wednesday, Dec. 23, until 8 a.m. Monday, Jan. 4, 1993, due to the holidays.

Only buildings that currently receive direct delivery from the U.S. Postal Service will be eligible to receive mail during this time. To find out if your building is eligible to receive incoming U.S. mail, please call Frank Sinclair at 865-4051 prior to Dec. 11, or check with the facilities coordinator for your academic administrative area.

### Federal Express rate increase

Rates for all Federal Express shipments have increased approximately 6 percent, effective Dec. 1. This is the first Federal Express rate increase to the University in almost three years.

Although substantial discounts are given to the University from Federal Express, it still is an expensive method of shipping, as are all express services. There are alternatives to using express service. Careful planning will avoid the need to use express service, which in turn, leads to substantial savings to the University. For more information concerning the alternatives, call Mail Services at 865-9171.

### Interoffice envelopes

Mail Services would like to remind the University Community that interoffice envelopes are available upon request from Mail Services. Quantities of up to 50 can be received by the requestor at Express, it still is an expensive method of shipping, as are all express services. It is imperative that interoffice envelopes stay in circulation to avert a shortage. Any excess inventory can be returned to Mail Services to facilitate distribution. For more information concerning interoffice or Mail Services in general, please call 865-9171.

AWARDS

# Three receive memorial scholarship

Three University staff members have been awarded the Edward L. and Dessa B. Keller Memorial Scholarship.

They are: Vicki S. Williams, assistant director of Audio-Visual Services; Kathryn M. Melusky, Continuing Education representative at the Penn State Schuylkill Campus, and Faye Collins Richardson, assistant to the regional director, Northeast Region, Penn State Cooperative Extension.

Established in 1976 by contributions from members of the Class of 1925, colleagues, friends and family members of Edward L. Keller, the scholarship recognizes Dr. Keller's contributions to the field of continuing education. He was director of Continuing Education and later vice president of public affairs at Penn State.

The scholarship is open to

University students enrolled in regular or extended degree courses, but preference is given to Continuing Education employees and students enrolled in adult education doctoral programs, and to those participating in internships at the National University Continuing Education Association office in Washington, D.C.

Ms. Williams, a doctoral candidate in instructional systems, has been a member of the Audio-Visual Services staff for more than nine years. Currently president-elect of the Consortium of College and University Media Centers, she holds a bachelor of arts degree from Lock Haven University and a master of education degree from Edinboro University.

Ms. Melusky, a doctoral candidate in adult education, has been in her posi-

tion at the campus for five years and daily works with adult students. She graduated from the Harrisburg Polytechnic Hospital School of Nursing and earned a bachelor of science degree in nursing from Lebanon Valley College and a master of science degree in nursing from Penn State.

Ms. Richardson is a doctoral candidate in adult education. Currently an intern in the National Extension Leadership Development program, which is sponsored by the W. K. Kellogg Foundation and the USDA Extension System, she earned a bachelor of science degree in clothing and textiles from Virginia Polytechnic Institute and State University and a master of education degree in general education from Salisbury State University.

# Mathematician selected for promising work



Nigel Higson, associate professor of mathematics, is among 90 outstanding young scientists to receive a 1992 Sloan Research Fellowship from the Alfred P. Sloan Foundation.

According to the foundation, this year's fellows, chosen from among hundreds of highly qualified scientists in the early stage of their academic careers, were selected on the basis of their exceptional promise to contribute to the advancement of knowledge. The Sloan Research Fellowship program is the oldest

program of the Sloan Foundation and is one of the oldest fellowship programs in the nation.

A specialist in operator algebras, Dr. Higson attended Dalhousie University in Halifax, Nova Scotia, where he earned a bachelor's degree in 1962, a master's degree in 1963, and a doctoral degree in 1966. He was awarded a postdoctoral fellowship at his alma mater in 1966.

Prior to joining the Penn State faculty in 1989 as an assistant professor of mathematics, Dr. Higson was an assistant professor at the University of Pennsylvania from 1986 to 1989 and a visiting Fellow at the University of Warwick, England. While on a year-long leave of absence from Penn, he was a lecturer at Odense University, Denmark, and a research associate at the University of Victoria, British Columbia.

## Staff achievement award

### Coordinator named recipient

Richard L. Erwin, coordinator of grants and contracts management in the College of Health and Human Development, has been chosen for college's 1992 Carol Clark Ford Staff Achievement Award.

The award recognizes staff members in the college who create conditions that make it easier for others to accomplish their objectives effectively and efficiently.

Mr. Erwin came to the former College of Human Development 22 years ago and has been helping faculty develop grant and contract proposals for outside funding ever since. Among the nominations for him were these comments from faculty:

"Had it not been for Dick, I wouldn't have had the courage to submit my first proposal to an external funding source. He has guided me through many proposals since that first one, with flexibility and patience."

"I appreciate Dick's knowledge about grantsmanship, his ability to work out budgets, and his handling the stress of grant deadlines with grace and humor."

The Ford Staff Achievement Award was endowed by Donald H. Ford, founding dean of the former College of Human Development and now acting head of the Biobehavioral Health program, in honor of his wife, Carol Clark Ford.



Richard L. Erwin

## Beaver Campus

### Two rewarded for teaching and research accomplishments

Two Penn State Beaver Campus faculty members have been honored for their accomplishments in teaching and research.

John P. Hourlland, instructor in computer science and director of the Learning Assistance Center, was awarded the Advisory Board Faculty Teaching Excellence Award. William G. Meacci, associate professor of exercise and sport science, is the recipient of the Advisory Board Faculty Research Award.

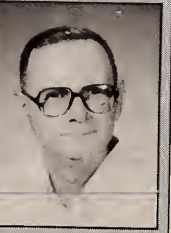
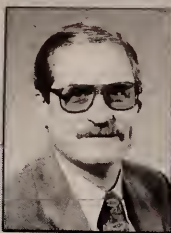
Dr. Hourlland earned a bachelor of science degree in mathematics from the University of Pittsburgh, a master of arts degree in mathematics from Duquesne University, and his Ph.D. in mathematics education from the University of Pittsburgh.

Prior to joining the campus faculty in 1981, he was employed by Kaiser Engineers, the Pennsylvania Engineering Corporation, and Arus-Andritz Rutherford Corporation. Dr. Hourlland also has taught at Duquesne University, Penn State McKeesport, LaRoche College, and Robert Morris College. He is a member of the Mathematical Association of America and National Council of Teachers of Mathematics.

As a campus faculty member since 1971, Mr. Meacci has taught courses in exercise and sport science, physical education, and health. He has coached the golf team, wrestling team, soccer team, and women's softball team. He also has coordinated the intramural program.

Mr. Meacci earned a bachelor of science degree in physical education, health and recreation from West Virginia University and a master of education degree in physical education from Penn State.

## 25-YEAR AWARDS



Observing 25 years of service at the University are, from top: William M. Briggs, financial and administrative services officer, Division of Development and University Relations; Melvyn S. Klein, senior director, student programs, Division of Student Programs; Michael G. Klein, University risk manager; Office of the Corporate Controller; and Raymond E. Lane, boiler operator, Office of Physical Plant;



## AWARDS

## Four faculty and staff members honored by alumni society

The Arts and Architecture/Performing Arts Alumni Constituent Society has honored four University faculty and staff members.

Anne Gibson, professor of theatre arts and head of the MFA design program, received the 1992 Performing Arts Constituent Society Faculty Award for Professional Achievement for her contributions as a scenic designer.

A member of the Penn State faculty since 1969, her professional credits include visiting designer from 1971-76 at the Actors Theatre of Louisville; designing the premier production, *Off Broadway*, national tour and State Department tour of "Gertrude Stein Gertrude Stein Gertrude Stein" and the premiere of "Churchill".

Helen Manfull, professor of theatre arts, received the Performing Arts Alumni Constituent Society Faculty Award for Teaching Excellence.

Dr. Manfull received her bachelor's degree from Western College for Women, and master's and doc-

toral degrees from the University of Minnesota. Prior to coming to Penn State in 1969, she was an extension instructor at the University of Wisconsin and an instructor in the Department of Speech and Theatre at the University of Minnesota.

An experienced actress and director, she is a member of many professional organizations, including Actors Equity and Children's Theatre Association. From 1979-83, she was on the boards of the Theatre Association of Pennsylvania and the Central Pennsylvania Festival of the Arts.

Roland E. Fleischer, professor of art history, received the Alumni Constituent Faculty Award for Advising.

Dr. Fleischer earned his bachelor's degree from Western Maryland College and his master's and doctoral degrees from Johns Hopkins University. He also studied at the University of Amsterdam as a Fulbright Scholar. Prior to coming to Penn State in 1974, he was an instructor at Johns Hopkins

University and an associate professor at the University of Miami and George Washington University.

Among Dr. Fleischer's numerous awards and fellowships are the 1990 Faculty Scholars Medal for Arts and Humanities, Penn State; a 1984 Travel to Collections Grant from the National Endowment for the Humanities; a Fulbright Fellowship; and a Southern Fellowship.

Shirley L. Henshaw, personnel coordinator and assistant to the dean, received the 1992 Staff Award.

Ms. Henshaw has served 25 years at the University, all in the College of Arts and Architecture. In her current position, she works closely with the dean of the College of Arts and Architecture and the executive director, University Arts Services, for all aspects of human resources administration for the College. She supervises the office of the dean and consults with the dean on matters of administrative policy, promotion and tenure, college planning, and financial management.

## Three Continuing Education projects recognized

Three Continuing Education projects have received awards from Region II of the National Continuing Education Association.

— The Penn State Berks Campus' Food Manufacturer's Consortium received a first place Award of Excellence.

Walter F. Fullam, director of continuing education at the campus, and Arnold Rosenz, senior research associate with the Department of Food Science, were honored for the training and development consortium they formed with 11 food manufacturing companies. Funding came from the state, the Ben Franklin Partnership Program and MANTEC, the Industrial Resource Center of Southcentral Pennsylvania.

— The Dietetic Extended Degree Programs received an honorable mention for "Contribution to Adult and Continuing Education."

The certificate in dietary management and associate degree in dietetics food systems management credit programs are coordinated by Sara C. Parks, associate dean for the Commonwealth Educational System and international programs, College of Health and Human Development, and College staff members Ellen Barrows, Bonnie Bakos and Janet Rayteck, as well as David F. Mercer, director of Independent Learning.

— The Penn State Wilkes-Barre Campus' Summer Youth Program 1992 was awarded an honorable mention for "Administrative Quality."

Melissa L. Noderer is continuing education coordinator for the program, which offered enrichment-oriented programming for children who had completed kindergarten through the eighth grade. More than 475 children enrolled in the 1992 session, participating in hands-on activities in the areas of art, computers, creative and cultural activities, sports, math and science.

## Professor of math named Outstanding Teacher in undergraduate education for 1991

Eugene Wayne, professor of mathematics in the Eberly College of Science, is the winner of the 1992 C.I. Noll Outstanding Teacher Award for excellence in undergraduate teaching.

The award, sponsored by the Eberly College of Science Student Council and Alumni Society, is the college's highest award for teaching. Winners are selected by a student/faculty committee from nominees suggested by faculty, students and alumni.

A specialist in dynamical systems and mathematical physics, Dr. Wayne joined the University faculty as an assistant professor of mathematics in 1983 and was promoted to associate professor in 1986 and to professor in 1991. He has taught courses ranging from introductory calculus with analytic geometry to advanced theoretical mechanics and qualitative theory of differential equations.

"My goal as a teacher is to motivate students to the extent that they will begin to educate themselves," he says of his teaching philosophy. "I want to convince them that the search for knowledge is a rewarding, exciting, and fulfilling goal and that to settle for a mere familiarity with the facts is to sell themselves short of their ultimate worth."

In an evaluation, one student wrote, "Of all the instructors I've had at Penn State, few compare to Professor Wayne. He is consistently prepared for class, commands an excellent understanding of the subject matter, and lectures in a concise and charismatic style which motivates a student to want to learn even the most abstract of algorithms."

## Assistant professor is one of 17 in nation to receive 1992 honor

B. Franklin Pugh, assistant professor of molecular and cell biology, is one of 17 scientists nationwide to receive a 1992 Searle Scholar Award.

According to the Searle Scholar Program, this year's winners, chosen from 24 candidates nominated by 77 universities, were selected for their innovative research and for exhibiting "evidence of having the potential to make significant contributions to biomedical research over an extended period of time."

The awards are intended for young biomedical scientists who are newly appointed assistant professors. Each Searle Scholar is awarded a three-year grant of \$180,000 to support his or her research efforts.

Dr. Pugh's research is aimed at characterizing a key component involved in turning on and off human genes. This component, termed TFD1, is thought to be composed of many parts or subunits. One of the subunits, called the TATA binding protein, targets all genes. However, researchers believe that other subunits might be tailored for specific genes.

In addition to his classroom activities, Dr. Wayne devotes much of his time to research. Since September, he has been on sabbatical at the Institute for Advanced Study in Princeton, N.J., where he is continuing his study of ways to quantify chaos in physical systems as diverse as crystals and the atmosphere.

"I believe that good teaching and an active research program can, and should, complement each other," he says. "I have striven to maintain such a balance in my career."

Dr. Wayne earned his bachelor's degree in 1978 at the University of Virginia and his master's and doctoral degrees at Harvard University in 1980 and 1982, respectively.

Prior to joining the University faculty, he was a research instructor in mathematics at the University of Virginia and a Postdoctoral Fellow at the University of Minnesota's Institute for Mathematics and its Applications.



Eugene Wayne

Through his biochemical studies, Dr. Pugh hopes to contribute to the developing pool of knowledge on how each cell in the body regulates thousands of genes. "Knowing the biochemistry of our genes not only gives us an understanding of how we develop from fertilized eggs," he says, "it also tells us how our cells turn cancerous and how they harbor deadly viruses."

Prior to joining the University faculty in January, Dr. Pugh was a postdoctoral research associate at the University of Wisconsin-Madison and at the University of California, Berkeley. In addition, he was a Leukemia Society of America Postdoctoral Fellow from 1988 to 1991 and a Harvard Hughes Medical Institute Associate in 1991.

A 1983 graduate of Cornell University with a bachelor's degree in biology, he earned his doctoral degree in molecular biology at the University of Wisconsin-Madison in 1987.

NEWS IN BRIEF

**Intercom schedule**

This is the last issue of *Intercom* for the Fall Semester. The next issue will be published Jan. 14, 1993. Deadline for copy is Jan. 7, 1993.

**English pub party**

Members of the Faculty Staff Club are reminded to celebrate the end of the semester with an winter English pub party from 5 to 7 p.m. Thursday, Dec. 10.

The club will recreate the warmth and collegial atmosphere of an English pub at Whiskers, the "pub" at the Nittany Lion Inn. The cost will be \$4.99 per person, which includes two beverages compliments of the club.

**Award nominations**

Nominations may still be made for the Howard B. Palmer Faculty Mentoring Award which was established by the Graduate School to honor and recognize outstanding achievement by a faculty member who effectively guides and nurtures the collegial and professional development of junior faculty.

Nominations may be submitted by faculty, staff and administrators and must be received by Jan. 27, 1993. A committee appointed by the dean of the Graduate School with the assistance of the senior faculty mentor in the Office for Minority Faculty Development will select the recipient who will receive an allocation of \$500 and recognition at the awards Convocation in March.

Nomination forms are available from 114 Kern Graduate Building. For more information, contact Deborah Atwater, 114 Kern, telephone (614) 863-1663.

**Behrend council**

Four regional leaders in industry have been named to the Council of Fellows at Penn State Erie, The Behrend College.

New to the 55-member advisory panel are Robert L. Nardelli, president and chief executive officer of GE Transportation Systems, Erie; Nicholas C. Scott, president of Scott Enterprises, Erie; Richard J. Fasenmyer, chairman and chief executive officer of RJF International Corp., Fairlawn, Ohio; and William J. Hill, president and director of National Fuel Gas Distribution Corp., Buffalo, N.Y.

"Penn State Behrend is honored that such distinguished leaders have chosen to affiliate themselves with our university," John M. Lilley, provost and dean, said of the new members. "Each brings a wealth of knowledge and experience to the council, and will help determine the role we will play in regional economic development."

**OBITUARY**

Aurelia K. Adams, retired assistant professor of clothing and textiles, died Oct. 31 at the age of 76.

A native of Illinois, she received a bachelor of science degree from the University of Illinois at Urbana and master's of education degree from Penn State. She also did post graduate work in rural sociology and higher education.

Mrs. Adams taught part-time at Penn State from 1953 to 1957. In 1957, she was appointed to a full-time position and promoted to assistant professor of clothing and textiles in 1961. She taught clothing and textiles to undergraduate students and served as an adviser to 16 Pennsylvania student chapters of the American Home Economics Association for five years. She retired Dec. 31, 1978.

The Council of Fellows advises the college administration on the educational and training needs of regional businesses and industries.

**HIV/AIDS issues**

Members of both the Centre County and Penn State communities are meeting monthly to address HIV/AIDS education issues for University students, faculty and staff.

A survey conducted by the HIV Task Force last fall helped to identify important HIV education concerns including: teacher training, student education, HIV testing and counseling, curriculum infusion, and communication regarding resources available to students, faculty and staff. The HIV Consortium, convened by University Health Services, brought together representatives of community agencies, faculty, health care providers, students and staff to address these issues.

The group currently is developing a resource guide for HIV information, counseling, testing, and other services; creating supplemental course materials for instructors desiring to include HIV/AIDS information in their classes; and bringing the Names Project AIDS Memorial Quilt to University Park next fall in cooperation with the Centre County AIDS Network.

**University Testing Services**

The Fall Semester final exam period runs from Monday, Dec. 14, through Saturday, Dec. 19. University Testing Services in 23 Willard Building at University Park will be open to receive work from 8 a.m. to 5 p.m. on Monday through Friday. On Saturday, Dec. 19, hours will be 9 a.m. to 1 p.m.

Please submit recording rosters before finals. Recording rosters submitted during finals receive a lower work priority than jobs on answer sheets.

**Fulbright grants**

A panel discussion on Fulbright grants will be held at 5:15 p.m. Tuesday, Dec. 8, in the International Lounge, 222 Boucke Bldg., at University Park.

Previous Fulbright recipients who went to Hungary, Zaire and Indonesia, will discuss their experiences.

Prior to the public meeting, the charter board of directors of the new chapter of Fulbright Association members living in Central Pennsylvania will adopt bylaws for the chapter.

For more information, call Mary Gage, Fulbright Program adviser, at (614) 865-7681.

Princeton University Press has published the second edition of *In the Shadow of Olympus. The Emergence of Macedonia*, a history of ancient Macedonia, by Eugene N. Borza, professor of ancient history.

The new paperback edition incorporates recent Macedonian archaeological discoveries, and also takes into account the effect of current political upheaval in the Balkans on interpretations of ancient Macedonia.

The original edition, published in 1990, was nominated for the James Henry Breasted Prize in Ancient History of the American Historical Association and the Goodwin Award of Merit of the American Philosophical Association.

Simon J. Bronner, distinguished professor of American Studies at Penn State Harrisburg, is the editor of *Creativity and Tradition in Folklore: New Directions*.

The book, published by Utah State University Press, includes works by 17 international scholars of folklore. Dr. Bronner and Wilbur Zelinsky, professor emeritus of geography, contributed chapters.

"*Creativity and Tradition* is distinctive because of its international scope," Dr. Bronner said. "It reacts against the bias that sees cultures as traditional and stable and literature as original and creative and also looks at human endeavor in a broader way. It explores a variety of expressions from poetry to proverbs to gravestones."

The book has been designated an official publication of the American Folklore Society.

In the introduction, Dr. Bronner interprets the history of creativity and tradition as key words in scholarship and also reviews the work of F. H. Nicolaisen, a leader in this interdisciplinary movement.

His chapter looks at a Pennsylvania German folk art and how he used tradition from his conservative Pennsylvania German community and installed his own individual designs on gravestones, scissors cuttings, fraktur and furniture. Dr. Zelinsky discusses naming as a method of ordering space that balances social and personal needs.

Anthony Cutler, research professor of art history, is the author of *Imagery and Ideology in Byzantine Art*, published by Variorum, Ashgate Publishing Limited of Great Britain.

The book, part of the Variorum Collected Studies Series, is a collection of papers spanning more than two decades of Dr. Cutler's research of Byzantine culture.

Dr. Cutler also is co-editor with Simon Franklin of *Homo Byzantinus: Papers in Honor of Alexander Kazhdan*, Number 46 of the *Dumbarton Oaks Papers*.

Dr. Cutler has written or edited ten books, including *The Hiss of the Master and*, with Susan Munshower, *The Art of Interpreting, Volume Nine of the Papers in Art History from Penn State*. He is a Fellow of the Society of Antiquaries and of the Institute for the Arts and Humanistic Studies.

Marc Levey, senior diversity planning analyst, is the author of *The 35mm Film Source Book*.

The book answers questions regarding which films are best used in a specific situation to achieve a desired result. A panel of experienced amateur and professional photographers evaluated every film mentioned in the book; more than 15,000 frames of film were shot during testing.

Mr. Levey includes detailed evaluations of the creative characteristics of film arranged by general types, by specific brand, and by descriptive designation. An in-depth analysis of individual films, with both objective and subjective evaluation, also is included.

To supplement the basic text, illustrations, and photographs, the book ends with ten appendices containing useful but hard-to-find information.

State College residents Margaret Duda and Dave Maser contributed black and white photographs and line drawings, respectively. In addition, several alumni—Jeanne Miller, Paul Duda, Robert Bissett and Steve Manuel—have images in the book.

Mr. Levey has taught hundreds of adult students both here at the University in adult community education programs and numerous workshops in the United States and abroad. He is the author of a number of books, including *The Art of Autofocus Photography* (Watson-Guptill, 1989).

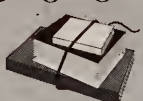
Gary L. Mullen, professor of mathematics, is co-editor with Peter Shrine, University of Nevada, Las Vegas, of *Finite Fields, Coding Theory, and Advances in Communications and Computing*.

Published in October by Marcel Dekker, Inc., the volume contains the refereed proceedings of the First International Conference on Finite Fields, Coding Theory, and Advances in Communications and Computing held at the University of Nevada, Las Vegas, in August 1991.

The volume, which has appeared in the "Lecture Notes in Pure and Applied Mathematics Series," also provides a set of open problems and conjectures designed to stimulate further finite field research.

Finite fields are known to be very useful in information science and the Las Vegas conference was the first that involved researchers in finite field theory and specialists in communications and information science.

**B O O K**



**S H E L F**

## PRIVATE GIVING

**Academic /Athletic Convocation and Events Center****Goal of \$20 million in private gifts goes over top**

The University's campaign committee to raise \$20 million in private gifts to help build the Academic/Athletic Convocation and Events Center has carried its goal over to its meeting Nov. 20 at University Park.

The campaign was launched in April 1991, soon after Gov. Casey released the first installment of a \$33.8 million state appropriation for the multipurpose arena.

"We are deeply grateful to the many Penn State alumni and friends whose generosity made the campaign so successful," Dr. Thomas said. "Their gifts, combined with state funds, will enable our University to have one of the best facilities of its kind in the nation."

The President credited campaign chair Edward R. Hintz and his 34-member committee of volunteers for providing the leadership that made the fund-raising effort successful.

"Ed Hintz and his committee worked with enthusiasm and dedication in difficult economic times to secure gifts," he noted. "The Convocation Center will stand as a monument to their marvelous commitment to Penn State."

Mr. Hintz pointed to strong support for the campaign in Centre County, where the campaign was coordinated by local business leaders Sidney Friedman and John Walizer.

"Sid and John and their associates secured commitments totaling about \$5 million from Centre County businesses and residents," he said. "Those dollars are important in themselves and also inspired gifts from Penn State alumni and friends in other areas."

The campaign, slated to end Dec. 31, reached its goal ahead of schedule.

The Convocation Center, to be located just south of Beaver Stadium, will have 16,500 seats. It will be used for a variety of purposes, including commencements, academic conferences, Big Ten athletics, alumni functions, trade shows, popular entertainment and cultural events.

A 1991 study by University researchers estimated the Convocation Center will have a \$100 million economic impact throughout Pennsylvania. The study also said the facility could create as many as 375 jobs and have a \$24 million annual impact in Centre and adjacent counties.

The Trustees approved final architectural plans for the building in July and site preparation will begin soon. Completion is expected by the 1994-95 winter sports season.

The state Department of General Services appointed the joint venture of Haas/Rosser Frabrap/Brinjac, Kambic as project architects. The venture is composed of John C. Haas Associates of State College, Rosser Frabrap International of Atlanta and Brinjac, Kambic Associates of Harrisburg. Haas serves as on-site project administrator. Rosser Frabrap, whose previous projects include Cincinnati's Riverfront Stadium and the University of North Carolina's Dean Smith Arena, is responsible for the general design. Brinjac, Kambic is designing the mechanical, electrical and other engineering systems.

**Events center to be named for president emeritus Bryce Jordan**

The Board of Trustees has approved the naming of the Academic/Athletic Convocation and Events Center for University President Emeritus Bryce Jordan (1983-90).

"All of us know of the tremendous progress that was registered for this University under Bryce Jordan's leadership," President Thomas said.

"Dr. Jordan wisely counseled that the center be more than an athletic facility," Dr. Thomas added. "He argued successfully for a facility that would be capable of hosting University events commensurate with Penn State's size and prestige."

The largest facility of its kind between Philadelphia and Pittsburgh, the Bryce Jordan Center is being financed through a combination of \$33.8 million in state funds and \$20 million from a private fund-raising campaign.

The recommendation for the naming of the Bryce Jordan Center came from the Facilities Naming Committee, which includes representation from the Council of Academic Deans, and the University Faculty Senate.



Bryce Jordan

**Recent major gifts received in support of Convocation Center**

Penn State has received these recent major gifts in support of its successful effort to raise \$20 million for the new Bryce Jordan Center

◆ \$250,000 from Michael J. Farrell of Pittsburgh, president and chief executive officer of Motor Coils Manufacturing Co., a re-builder of electric motors for diesel-electric locomotives. Mr. Farrell received a B.S. in accounting from Penn State in 1971 and serves on the board of directors of

The Smeal College of Business Administration Alumni Society

◆ \$50,000 from Ruth T. Balthaser of State College, in memory of her late husband, Harry H. Balthaser 34, and father, Frank M. Torrance '05. Ruth Balthaser is a 1934 liberal arts graduate of Penn State.

◆ \$50,000 from Michael and Sylvia Hudacek and their son, Michael Hudacek Jr., of Plymouth. Michael Hudacek Sr. is a member of the Penn

State Wilkes-Barre Campus Advisory Board and the National Development Council, and served on the committee that provided volunteer leadership for the Convocation Center campaign. He and his son practice law.

◆ \$50,000 from L. Robert Kimball of Elensburg. Mr. Kimball graduated from the University in 1947 with a B.S. in civil engineering and is founder and president of L. Robert Kimball Associates, a consulting firm that spe-

cializes in architecture and engineering. He was honored as a Distinguished Alumnus in 1992.

◆ \$50,000 from Arthur J. and Paige Nagle of New York. Arthur Nagle is chairman of Vestar Capital Partners, a private investment firm, served on the Convocation Center campaign committee and is a member of the National Development Council. He earned a B.S. degree in mathematics from Penn State in 1961.

**Endowment to Palmer Chair increased by \$500,000**

State College residents and cable television pioneers James R. and Barbara R. Palmer have given an additional \$500,000 to increase the total endowment of the Palmer Chair in Telecommunications to \$1.5 million. Mr. Palmer established the chair, held by Richard D. Taylor, with a million-dollar gift in 1987.

"Technology has revolutionized communications, and this gift helps us stay at the leading edge of education in this field," Terri Brooks, dean of the School of Communications, said. "We are deeply grateful to the Palmers for their continued generosity to our school. They are also excellent role models for our students for their own pioneering work in cable technology."

For 31 years, James R. Palmer served as chief executive of State College-based C-COR Electronics, a major supplier of cable television components. He retired from that post in 1985, but continues to lecture on entrepreneurship and does consulting. He is a former director of the National Cable Television Association, president of the Pennsylvania Cable Television Association and founding president of the Association of Cable Television Suppliers.

Barbara Palmer served as a C-COR director for 23 years. She also has taken a leadership role in such community activities as Centre County United Way, Hemlock Girl Scout Council, the Renaissance Scholarship board and the Penn State National

Development Council.

The Palmers have long supported the arts at Penn State, and the Palmer Museum of Art is named in their honor. They have been active in the Friends of the Museum, and James Palmer served as founding president of Pennsylvania Centre Stage. In 1986 they contributed a \$2 million lead gift in support of the museum's current expansion.

James Palmer was born in Elm Creek, Neb., and Barbara Palmer is a native of Baltimore, Md. They are graduates of Iowa State University.

In 1987, they were named honorary Penn State alumni.

## PENN STATERS

**Micaela Amato**, associate professor of art, has been awarded a 1992 New York Fellowship for Interdisciplinary Arts. Her project includes a video documentary which she intends to film in Majorca.

**Richard Barton**, associate professor of communications, participated in a three-day workshop titled "Future Directions in Canadian Studies," sponsored by the Canadian Embassy and the North West consortium of Canadian Studies. He was appointed to a national committee to prepare guidelines for Canadian Studies programs.

**Gillian Bentley**, postdoctoral researcher in the demography of aging in the Population Research Institute and the Department of Anthropology, has received funding from the L.S.B. Leakey Foundation, the National Geographic Society and the National Science Foundation to conduct pilot research on the biogeography and reproductive ecology of foragers and cultivators in South India.

**Jean-Marc Bollag**, professor of soil microbiology, has been named a Fellow of the American Society of Agronomy.

**Gerard J. Brauli**, Edwin Erle Sparks professor of French and medieval studies, gave an invited seminar in French on the Franco-Americans of New England and national identity at Laval University in Quebec City, Canada.

**David Bressoud**, professor of mathematics, gave a colloquium on "Combinatorics of Symmetric Functions" at the University of Strasbourg, France.

**Cengiz Camci**, associate professor of aerospace engineering, presented two papers at the International Symposium on Heat Transfer in Turbomachinery in Athens, Greece, and attended the 80th Propulsion Energetics Panel/Symposium on Heat Transfer and Cooling in Gas Turbines organized by the Advisory Group for Aeronautical Research and Development in Antalya, Turkey.

**Anthony Cutler**, research professor of art history, has been invited to present a lecture, "Fonctions et Destinataires du Luxe," Nov. 30 at the Louvre, Paris, in conjunction with the exhibition, "Byzantium and Its Images." He has also been recognized with the R.R. Hawkins Award by the Association of American Publishers for his work as editor of the book, *The Oxford Dictionary of Byzantium*. The award is bestowed annually by the association for the most outstanding professional, reference or scholarly work.

**Reginald Dearing**, professor of molecular and cell biology, gave a talk on "Cloning and Regulation of Two Repair Genes of D. discoideum" at the 11th International Congress on Photobiology in Kyoto, Japan. The paper was co-authored by R. B. G. G. Senior research aide in the Department of Molecular and Cell Biology.

**Robert B. Eckhardt**, of the Department

of Anthropology and Institute of Molecular Evolutionary Genetics, presented an invited lecture titled "New Wine in Old Bottles: Do New Mitochondrial DNA Data Really Support the Old Unilinear Model of Modern Human Origins?" at the special international conference on "The Mitochondrial DNA Debate and Theories of Subsequent Homimid Evolution" in Cortona, Italy.

**Jeff Edmunds**, library assistant, University Libraries, presented an invited paper titled "Nabokov and Robbe-Grillet: la rencontre du plaisir" at the international conference on "Robbe-Grillet a soixante-dix ans."

**Irvin Feller**, director of the Graduate School of Public Policy and Administration and professor of economics, has been appointed by the American Association for the Advancement of Science to a special three-year term on its Committee on Science, Engineering and Public Policy.

**Daniele Flannery**, assistant professor of adult education at Penn State Harrisburg, presented the keynote speech at the 1st colloquium of Continuing Education and Extension Division, "The Adult Learner," at the University of Puerto Rico.

**David B. Geselowitz**, distinguished alumni professor of bioengineering and professor of medicine, presented the Ueda Memorial Lecture at the Japanese Society for Electrocardiology in Tokyo, Japan. He also presented a paper, co-authored by graduate students Howard D. Simms Jr. and Stephanie Smith, at the satellite symposium on Computer Simulation of Cardiac Electrical Events and a seminar on expertizing at Nihon University in Narishino, Japan.

**Jack Gido**, director of PENNTAP (Pennsylvania Technical Assistance Program) has been elected to the board of directors of the National Association of Management and Technical Assistance Centers. He also was named to chair the Long Range Program Committee.

**Elizabeth Hanley**, assistant professor of exercise and sports science, has been selected to a panel of internationally acclaimed dance and technical experts by the International Institute of Wisconsin. Professor Hanley is founder and director of the Penn State International Dances, sponsored by the Department of Exercise and Sport Science.

**Ross Hardison**, professor of biochemistry, gave a talk, "Comparative and Functional Analysis of Control Regions of Mammalian Alpha- and Beta-Globin Genes," at the NATO Workshop on Genome Organization, Function, and Evolution in Spetsai, Greece. He also presented an invited talk at the University of British Columbia, Canada.

The photographs of Marc Hessel, associate professor of visual arts, are featured in an exhibit, "Puerto Rico Photographs," at Shoemaker Galleries at Juniata College through Friday, Dec. 4.

**Kenneth K. Kuo**, distinguished profes-

sor of mechanical engineering and director of the High Pressure Combustion Laboratory, has received a Certificate of Recognition from the Joint Army, Navy, NASA, and Air Force Combustion Subcommittee for outstanding contributions to combustion technology and service.

**William Kelly**, county extension director in Westmoreland County, has been elected president of the National Association of County Agricultural Agents (NACAA).

**Akhlesh Lakhtakia**, associate professor of engineering science and mechanics, has been named editor-in-chief of *Speculations in Science and Technology*, an international journal of creativity and innovation. **Renata Engel**, assistant professor of engineering graphics and engineering science and mechanics, and **Ellot Fried**, assistant professor of engineering science and mechanics, will serve as editors of the journal.

**Robert D. Lee Jr.**, head of the Department of Public Administration, spoke on "Public Budgeting Systems: Problems and Solutions," to the Bureau of the Budget, in Bangkok, Thailand.

**Stanley Rosen**, Evan Pugh professor of philosophy, was the Companys lecturer at the University of Barcelona. He gave two public lectures, "Freedom and Reason" and "The Mask of Enlightenment," both of which will be published in Catalan.

**David W. Russell**, associate professor of electrical and computer engineering at Penn State Great Valley, presented an invited paper titled "AI Adaptive Learning in III-Defined Systems," and chaired a session at ICARCV'92 (Second International Conference on Robotics and Computer Vision) in Singapore.

**Robert Schlegel**, professor and head of the Department of Molecular and Cell Biology, is coauthor of an article awarded the European Federation of Immunological Societies Prize for the best article published in the journal *Immunology Letters* during the last year.

**Paul A. Seaburg**, professor and head of architectural engineering, has been elected a member of the National Institute of Building Sciences Consultative Council.

**Paula Short**, associate professor of educational administration, has been elected president-elect of the National Council of Professors of Educational Administration for 1992-93. She also is serving as president of the Southern Regional Council for Educational Administration, and chair of the Program Evaluation Committee, Division A, of the American Educational Research Association.

**Rainer Silberstein**, professor of human development, has been elected secretary-general of the International Society for the Study of Behavioral Development, a scientific association devoted to research on human development throughout the lifespan.

**John C. Spychalski**, chairman and professor of business logistics in the Smeal College of Business Administration, represented the 10

leading U.S. universities that offer logistics education at a seminar held in Budapest, Hungary, last month. He presented a paper on professional development for transportation infrastructure managers and participated in discussion sessions on the pricing and funding of transport facilities.

**Charles Super**, professor of human development and Sara Harkness, associate professor of human development and anthropology, spent eight months in Europe as visiting professors at the University of Leiden, the Netherlands. Dr. Harkness also was a discussant at a scientific meeting on "Images of Childhood," in Satra Bruk, Sweden.

**Chris Staley**, assistant professor of art in the School of Visual Arts, exhibited a one-person show of his work at the Swidler Gallery in Royal Oak, Mich.

**John Swisher**, professor of education, is serving with a newly created Alcohol, Substance Abuse, and Mental Health Services Administration (SAMHSA) during this academic year. The group administers the state block grants for substance abuse and mental health and has three centers involving prevention, substance abuse, treatment of substance abuse, and mental health services.

**Sanford Thatcher**, director of the Penn State Press, has been named to the editorial advisory board of *Scholarly Publishing* and to the board of directors of the Copyright Clearance Center.

**Jose Ventura**, associate professor of industrial and management systems engineering, presented a paper, "Applications of Computer Vision to the Quality Process," at the International Quality Forum '92.

**Paul Weiss**, assistant professor of chemistry, gave invited talks on "Expanding Scanning Tunneling Microscopy to Study Insulators and Single Molecules" at the general physics colloquium at the CNRS in Paris, France; the CNRS-St. Gobain in Aubervilliers, France; the University of Basel Physics Department in Basel, Switzerland; the IBM Zurich Research Laboratory in Ruschlikon, Switzerland; and the University of Konstanz Physics Department in Konstanz, Germany.

**Jack H. Willenbrock**, holder of the Bernard and Henrietta Hankin Chair of Residential Building Construction, has been named the 1991-92 William H. Hume Builders Institute Outstanding Educator in the student chapter program of the Home Builders Institute.

**James C. Young**, Stan and Flora Kappe professor in environmental engineering, has received the William Ruidolf's Medal from the Water Environment Federation for work in describing solutions to common problems faced by designers and operators of waste treatment facilities located at industrial sites.

# Building a "research machine"



Working to make library access bigger and better... are Sally Kalin, Dace Freivalds and Sylvia Carson.

Photo: Greg Grieco

Packing the power to search an entire database of more than 1.5 million records in a matter of seconds, the Library Information Access System is a scholar's dream. Equipped to easily aid users, LIAS is now maturing into the powerful data retrieval tool that librarians envisioned more than a decade ago.

Over the past 10 years, the University Libraries has been undergoing a quiet movement from within to build a system capable of efficiently meeting the needs of the information age. While small changes may have gone unnoticed by the typical user, these alterations were actually the groundwork for enhancement capabilities that make the system more user friendly. In fact, within weeks a new feature known as boolean searching will give users the power and flexibility to search in-depth for material by using connecting words like *and*, *not*, and *or*, that help them expand and refine searches.

"We have been working behind the scenes to streamline operations that would help make the transition to a more powerful search system easier," said Dace Freivalds, a library systems specialist. "What the public is now seeing of LIAS is only a small portion of the work that was done."

LIAS—the research machine that is one of the busiest used information systems at Penn State—logs between 35 to 45 million transactions annually. It allows users to search for information using the smallest clues.

LIAS was the early vision of librarians who two decades ago recognized the need to automate the Libraries operations. While other universities purchased systems from commercial vendors, the Libraries opted to develop a tailor-made system for Penn State.

"LIAS is one of the few university library systems that was developed in-house, created at Penn State by Penn State, for Penn State," said Sally Kalin, acting head of the Computer Based Resources and Services Team, University Libraries.

Since 1979, LIAS has been brought up in phases, with automated circulation being the first phase to go public. In 1983, the online catalog was made available to users, and the purchase of a new computer main frame in 1989 permitted the current explosion in expanding the researching capabilities.

A special team comprised of Ms. Kalin and Ms. Freivalds, Sylvia Carson, library systems specialist with Library Computing Services; Rosanna O'Neil, chief, Cataloging Department, and Linda Friend, electronic resources specialist, was appointed in 1990 to undertake a special analysis that would determine how LIAS could be programmed to give users increased control.

The team spent countless hours in study and deliberation, analyzing dozens of automated library systems from across the country. It also reviewed the recommendations of earlier study teams, pored over the available literature on library automation, and examined national and international standards for command languages.

In the first phase of what became known as the "LIAS Enhancement Initiative" came the development of the Keyword search capability. One of the biggest challenges the team encountered was retrofitting the Keyword search function to the existing system. But despite the difficulties encountered, Keyword is the Libraries most powerful search tool to date. This function allows users to search LIAS using words they specify, rather than exact titles, subjects or authors.

"Something we know about user behavior is that standardized words are not always used. Users tend to remember only key words or phrases," said Ms. Freivalds. "Originally, users had to remember the exact title, author or subject or they would not get the expected results. With Keyword it is now possible to input just a single word and find the materials of interest."

Despite the tremendous growth in the database over the past few years, LIAS continues to expand. In March, LIAS began providing gateway access to *Uncover*, an article database that includes more than 11,000 journal titles, both scholarly and popular. A selection of electronic journals is now also available.

Last summer, a database of materials from the Educational Resources Information Center, of the U.S. Department of Education, called ERIC, joined the LIAS family. ERIC contains about 450,000 references to articles from more than 750 journals, and about 31,000 journal references to conference papers, curriculum guides, etc. that are available on microfiche. Each month, about 3,000 new records are added to the ERIC database.

In addition to these tremendous strides in information access, the research team is excited about upcoming developments. These include the addition of more subject databases and the ability to search library catalogs at other institutions using LIAS commands.

"Upgrades like this can only make the system more

## LIAS Enhancements

- ◆ Databases accessible through LIAS:
- ◆ ERIC (education)
- ◆ Electronic journals
- ◆ Uncover (interdisciplinary)

## What's next?

- ◆ Engineering Index, MEDLINE, and PsychInfo through LIAS
- ◆ Boolean searching
- ◆ Search sets
- ◆ Acquisitions component
- ◆ Enhanced circulation system
- ◆ Gopher access
- ◆ Access to catalogs of other research libraries

responsive," said Ms. Kalin. "And for library users, this means gaining access to more information."

Other changes in the making include an improvement in the LIAS circulation system, and inclusion of an acquisitions component to automate the ordering and receiving process for library materials.

"Computers have brought user expectations to an all-time high, but our expectations are also high because we know what the system can do," said Ms. Carson. "We needed to give the system some flexibility and power and we're just beginning to see it happen. This is by no means the final product. We'll always be looking to develop further."

## PROMOTIONS

### Staff

Sandra D. Alexander to Research Technologist in Agricultural Sciences.  
Joanne M. Baylor to Senior Technical Specialist at the Hershey Medical Center.  
Joseph A. Bednarczyk to Research Technician at the Hershey Medical Center.  
Jean E. Bloom to Staff Assistant VI in Agricultural Sciences.  
Duane M. Bullock to Buyer II in Purchasing Services.  
Darlene P. Fike to Banquet and Catering Sales at the Nittany Lion Inn.

Anna M. Hashman to Administrative Assistant III in Agricultural Sciences.  
Cynthia F. Helm to Outpatient Clinical Coordinator at the Hershey Medical Center.  
Brenda L. Holcomb to Staff Assistant VI in Agricultural Sciences.  
Carol A. Klarh to Staff Assistant V at the Hershey Medical Center.  
James R. Ladlee to Assistant Extension Agent in Agricultural Sciences.  
Carol L. Lockard to Staff Assistant VI in Business Administration.  
Diane L. Maggs to Staff Assistant V in Science.  
Janice E. McClure to Project Associate

in Agricultural Sciences.  
Rodrick Marchion to Microcomputer Systems Specialist in the Center for Academic Computing.  
Pamela P. Myers to Staff Assistant VIII at the Hershey Medical Center.  
Patricia Notaromas to Circulation Supervisor in University Libraries.  
John E. Passaneau to Assistant Research Engineer in Science.  
Linda A. Rhone to Research Technician at the Hershey Medical Center.  
Edward S. Robinson to Research Engineer in the Applied Research Laboratory.

Leo J. Schneider to Research Engineer in the Applied Research Laboratory.  
Timothy A. Shaffer to Associate Director, Business Services at the Hershey Medical Center.  
Richard G. Stover to Administration Counselor III in Undergraduate Education.  
Susan A. Strauss to Supervisor, Chart Completion at the Hershey Medical Center.  
Ronda L. Williams to Staff Assistant V in Business Administration.  
Lisa A. Zineddin to Conference Assistant at the Nittany Lion Inn.



### Behrend Complex

Above is an architect's sketch of a new 55,000 square-foot complex of laboratory buildings at Penn State Erie. The Behrend College. U.S. Secretary of Commerce Barbara Hackman Franklin participated in groundbreaking ceremonies for the \$6 million project, which consists of four buildings that will house an expanded Plastics Technical Center and engineering and engineering technology classrooms, computer labs, and faculty offices connected by a 222-foot glass atrium. Funding for the new buildings, scheduled to open in fall, 1994, came primarily from local and regional plastics manufacturers, including a \$1 million kick-off gift from Cleveland entrepreneur and Penn State-Behrend alumnus Richard Fesenmyer, chairman and CEO of RJF International Corp.

### Archaeology lecture - Dec. 8 at University Park

## Talk to focus on rise and fall of Philistines

Seymour Gitin, director and professor of archaeology of the W.F. Albright Institute of Archaeological Research, the American School of Oriental Research in Jerusalem, will give an illustrated talk, "The Rise and Fall of Ekron of the Philistines" at 8 p.m. Tuesday, Dec. 8, in 112 Walker Building at University Park.

Ekron, a site now called Tel Migne, was a large, fortified city founded by the Sea Peoples near the coast of Israel in the twelfth century B.C.

By the 7th century B.C., Ekron was one of the most important industrial centers in the ancient Near East. Excavators have revealed portions of a street in the central area of the city from this period, complete with a sewer system that led into a large square. In the square were the smashed remains of many large jars used to store olive oil, the city's major industry. Their destruction is evidence of the final violent moments of Ekron when it fell to the Babylonians in 603 B.C.

More evidence of this destruction was found this summer by a joint American/Israeli/Canadian team directed by Dr. Gitin and Trude Dothan, director of Hebrew University's Institute of Archaeology. A treasure of jewelry and more than two pounds of silver ingots were discovered hidden under the floor of a building that had cut inscriptions and four-horned altars of the Philistine inhabitants.



This hoard of silver was hidden from the Babylonian invaders at Philistine Ekron at the end of the 7th century B.C.

Dr. Gitin's lecture is co-sponsored by the Jewish Studies Program and the Central Pennsylvania Society of the Archaeological Institute of America. Support is provided by the Institute of the Arts and Humanistic Studies and the Colleges of Arts and Architecture and the Liberal Arts. The public is invited.

Dr. Gitin also will speak on the same topic at Congregation Brit Shalom, 920 East Hamilton Street, State College, at 8 p.m. Monday, Dec. 7.

### APPOINTMENTS

To reflect some of his additional job responsibilities, the title of Robert F. Nicely Jr., College of Education, has been changed to associate dean for outreach and faculty development. His former title was associate dean, Continuing and Commonwealth Education and Outreach Programs.

His responsibilities include program development and administration of the college's Continuing Education activity; academic liaison with the Commonwealth Educational System; outreach activities such as collaborations with school districts, intermediate units, and professional organizations; and faculty development.

Faculty development focuses on recruitment and search committee activities, mentoring programs, sabbatical leaves, promotion and tenure, and other projects related to the academic and personal success of faculty.

Randall A. Nichols has been appointed director of athletics, intramurals, and recreational sports at the Penn State Beaver Campus. He replaces James Karwoski, assistant professor of exercise and sport science, who will continue to coach the Beaver Campus baseball team.

Mr. Nichols has served as a physical education instructor, assistant baseball coach, and intramural and recreation director at Beaver Campus since 1991. He holds a bachelor's degree and a master's degree in physical education from Slippery Rock University.

Prior to his position at the campus, Mr. Nichols served as an assistant baseball coach at the Slippery Rock University exercise physiology laboratory, and an exercise specialist intern at the Naples Community Hospital Wellness Center in Naples, Fla.

### CARPOOLERS

Mischelle would like to carpool from the Mt. Union area to University Park. Work hours are 8 a.m. to 5 p.m., Monday through Friday. This carpool could cover the Mt. Union, Huntingdon, Belleville, Greenwood Furnace, or McAleveys Fort area. Call 865-2054.

Clearfield area carpool seeks one person, non-smoker, to drive alternating weeks to University Park. Work hours are 8 a.m. to 5 p.m., Monday through Friday. Call Theresa at 865-5402, extension 39, or Amy at 865-4049.

Wende is looking for a ride or riders to carpool from the Lewistown area to University Park, Monday through Friday from 8 a.m. to 5 p.m. She can be reached at work, 865-6394, or at home, 242-2278.

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August 6, 1992  
Vol. 22, No. 15

## PENN STATE



### INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor

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# INTERCOM

January 14, 1993

Volume 22, Number 16

## University flexes its research muscle

### Penn State is No. 2 in industry-sponsored research

For the fourth consecutive year, Penn State ranks second among U.S. colleges and universities in industry-sponsored science and engineering research and development expenditures for fiscal 1990, according to the National Science Foundation.

The Massachusetts Institute of Technology once again ranked first in industry-sponsored R&D with \$45.71 million. Penn State's industry-sponsored R&D totaled \$37.59 million in federal fiscal year 1991, which ran from Oct. 1, 1990, through Sept. 30, 1991. In the previous year, Penn State ranked second with \$34.81 million.

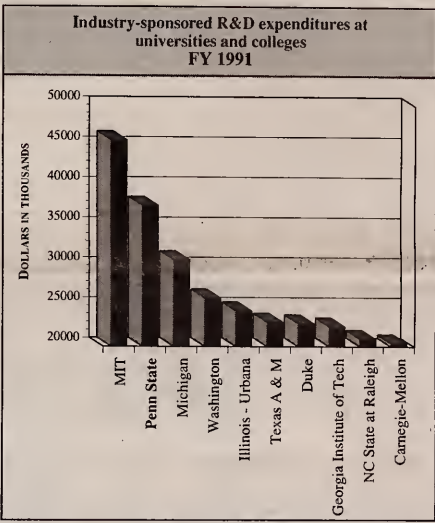
"That Penn State has remained second in industrial support for four years indicates the strength of our research contacts with the private sector," David A. Shirley, senior vice president for research and dean of The Graduate School, said.

"In light of changes in the Federal defense budget and other budgetary considerations, it is imperative that the University look to industry to continue research and development efforts," Dr. Shirley added. "Our research park will help to solidify the Penn State, industry connection.

The other Pennsylvania university in the top 10 was Carnegie-Mellon, which ranked 10th with \$20.45 million.

Beside Penn State, the University of Michigan in third place and the University of Illinois in fifth place are the only Big Ten schools in the top ten.

After Penn State, the University of Michigan ranked third with \$30.81, followed by the University of Washington, \$26.03; University of Illinois, Urbana, \$24.43; Texas A&M University, \$23.05; Duke University, \$22.88; Georgia Institute of Technology, \$22.50 and North Carolina State University, \$20.44.



Penn State's \$37.59 million in industry-sponsored research represents approximately 14 percent of its total 1991 research expenditures of \$268 million.

## Governor okays nearly \$2.4 billion for projects

Several Penn State projects were included in a state bill authorizing \$2.382 billion in capital construction projects, which was signed by Gov. Robert Casey on Dec. 29.

"We are pleased that the Governor has approved these critically needed capital dollars for Penn State campuses," President Thomas said. "We are particularly pleased that the expansion of the HUB/Robeson Cultural Center at University Park and the library at Penn State Harrisburg are on the approved list. These projects are high priority for us, and we will be working diligently to get these approved funds released for construction.

"We are disappointed that the chemistry building, another of our top priority projects for University Park, was not approved. This will be a top priority for our future capital requests."

Dr. Thomas said the list of approved projects will have a major impact on academic and cultural life at the University in the future.

"The HUB/Robeson project is important because the number of students enrolled at the University Park campus has grown so substantially. Both the HUB and the Robeson Cultural Center are old buildings that are stretched beyond their capacity. Improvements here are badly needed."

Among the other major projects approved by the governor is a new

See "Projects" on Page 4

## Claims 11th place in overall research spending

The University ranks 11th among all universities in total research and development spending in science and engineering, according to recently released National Science Foundation figures.

In fiscal year 1991, the University spent nearly \$268 million for research and development in science and engineering, a 4 percent increase over 1990. During fiscal 1990, the University spent \$257 million and was ranked 9th overall.

"While Penn State's ranking fell to 11th place, the position we held in fiscal 1989, our overall spending on science and engineering research and development showed an increase, even in the

face of decreased federal budgets and a slow economy," Dr. Shirley said.

"There is always some shuffling in

**The 1991 rankings place Penn State fifth among public research universities in total research and development spending.**

the upper ranks of spending, and a change in one contract or one grant can spell the difference between ranks. What does matter is that we are still fourth in the Big 10 in federal spending."

The 1991 rankings place Penn State

fifth among public research universities in total research and development spending.

Johns Hopkins University was first in spending with \$710 million. The University of Michigan was second with \$364 million, the University of Minnesota was third with \$331 million, and the University of Wisconsin, Madison, was fourth with \$326 million.

The Massachusetts Institute of Technology dropped from second to fifth place with \$319 million, followed by Stanford University, Cornell University, Texas A&M University, University of Washington in ninth and the University of California, San Francisco, in 10th.

## University Park to observe King holiday with speaker, activities

Civil rights activist, pastor and educator, the Rev. Amos C. Brown, will be the keynote speaker for the University's observance of the Rev. Dr. Martin Luther King Jr. holiday.

Dr. Brown will speak in Eisenhower Auditorium at 7:30 p.m. Monday, Jan. 18. The University Park observance will be telecast live on PENNARAMA and on WPSX-TV, Channel 3, throughout much of the state.

The event is one of many Martin Luther King holiday activities scheduled statewide at University Park and other University campuses. (See story on Page 3).

### Nominations sought to recognize women

The Commission for Women is seeking nominations for the Achieving Women Project to recognize the accomplishments of women students, faculty, administrators, clerical, staff and technical service employees to be published in "Achieving Women at Penn State" distributed on March 22 at the annual spring banquet.

"The Achieving Women Project is an opportunity to recognize and honor the many achievements and contributions of Penn State Women at all levels and locations in the University," says chair Danielle Richards.

In addition to achievements in community leadership and academic honors, qualifications for recognition also include recognized advocacy on behalf of women and children; appointments to a senior level position; artistic or creative endeavors; completion of 25 years of service at Penn State in 1992; or recipient of major fellowship or scholarship, among other criteria.

Application and recognition guidelines are available at the Hertz Union Building and Kern information desks. Contact Cindy Farnes, chair of the outreach committee, at 865-0665 if you have questions.

Nomination applications are due no later than Feb. 1 and should be mailed to the Achieving Women Project, Commission for Women, 313 Grange, Penn State, University Park, PA 16802. If you would like more information on the banquet, call the Commission office at 863-7696.

### DIVERSITY OPPORTUNITIES

#### CALENDAR

#### Thursday, Jan. 21

Penn State McKeesport Campus, 1:30 p.m. BUB Auditorium. Lecture titled, "Strengthening the African American Family: Strategies That Work," by Huberta Jackson-Lowman, Pitts-burgh Mayor's Commission on the Family director.

Lesbian, Gay Bisexual Faculty/Staff and Allies, 5:30 to 7 p.m., Nittany Lion Inn Fireside Room. Winter reception.

#### Saturday, Jan. 23

Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Promotion and Tenure is the second in a series of faculty development workshops this semester. **Blainie Bowen**, professor of agricultural and extension education, will be the speaker. To make reservations, contact **Leah Witzig** at 863-1633. All junior faculty welcome to participate.

## New group established to help recruit and retain students of color

The University has established a new advisory council to aid in the recruitment, retention and graduation of students of color.

The new 25-member Advisory Council for Educational Equity Programs will be responsible for advising the vice provost for educational equity on matters related to the operation of programs associated with the recruitment and retention of students from underrepresented racial/ethnic groups. The goal of the council is to enhance the effectiveness of the University's efforts

through increased inter-unit coordination. "As the U.S. and state populations continue to diversify, it becomes increasingly important that we improve coordination of our efforts to recruit, retain and graduate students from more diverse backgrounds," President Thomas said.

The council will be co-chaired by James B. Stewart, vice provost for educational equity and a council member elected to an annual term.

Its University-wide responsibilities will focus on advising the vice provost on matters related to effective and cost-effective coordination of recruitment and retention programs for underrepresented groups from pre-college to graduate school; developing, reviewing and implementing assessment of recruitment, retention and graduation rates; promoting and monitoring the integration of diversity initiatives into long-term planning efforts.

In addition, the council will recommend administrative policies and procedures and disseminate information on recruitment and retention efforts to deans and campus executive offices.

"With the work of this council, we look

*"As the U.S. and state populations continue to diversify, it becomes increasingly important that we improve coordination of our efforts to recruit, retain and graduate students from more diverse backgrounds."*

President Thomas

forward to examining innovative ways of refining our current programs to better serve students of this and future generations," John A. Brighton, executive vice president and provost, said.

Council members are: William L. Henson, College of Agricultural Sciences director of minority student programs; James W. Locker, College of Agricultural Sciences coordinator of equal employment opportunities and affirmative action; Carl L. Blake, College of Arts and Architecture assistant dean for recruitment and retention; Christine Patterson, School of Communications minority student services director; John D. Lee, College of Earth and Mineral Sciences minority programs director.

Reginald K. Brooks, College of Education director of minority student services; Daniel C. Davis, College of Engineering minority engineering pro-

grams director; Daniel L. Trevino, College of Health and Human Development minority programs director; Earl F. Merritt, College of Liberal Arts minority programs coordinator; Henry McCoullum, Eberly College of Science minority programs coordinator;

Vernis M. Welmon, Smeal College of Business Administration assistant to the dean for minority relations and international programs; Bruce E. Ellis, Smeal College of Business Administration minority affairs and minority student programs coordinator; Catherine G. Lyons, Graduate School Center for Minority Graduate Opportunities and Faculty Development director; Kevin B. Lee, Pattee Library human resources assistant;

Deborah F. Atwater, senior faculty mentor; Mark Meekstroth, Undergraduate Admissions assistant director; Michael Blanco, Multicultural Resource Center director; Huey Jones, Division of Undergraduate Studies advisor; Howard Wray III, assistant dean for Academic Assistance; W. Terrell Jones, deputy vice provost;

John Barnes, Wilkes-Barre Campus admissions officer; Edward F. Linder Jr., Allentown Campus Division of Undergraduate Studies coordinator; Lilliana Taner, counselor, Berks Campus; Gerald Spates, Penn State Erie, The Behrend College minority student and special programs counselor, and Felicia Brown-Haywood, Penn State Harrisburg student support and minority student affairs coordinator.

## NSF visiting professor to join College of Engineering

Velma Irizarry of The Digital Equipment Corporation has been awarded a National Science Foundation Visiting Professorship for Women (VPW) grant to carry out research in the Department of Industrial and Management Engineering. She joins the College of Engineering in the summer of 1993.

The \$46,000, nine-month NSF grant underwrites research, teaching, networking and counseling activities.

Dr. Irizarry, a DEC project consultant, will work with Sanjay Joshi, assistant professor of industrial and management engineering, on the "Management of Manufacturing Knowledge for a

Concurrent Engineering Paradigm." Concurrent engineering techniques integrate the knowledge and expertise bases of separate, specialized disciplines, in this case a manufacturing system.

In addition, she will give technical seminars at five northwestern universities; lead a seminar series at Penn State on concurrent engineering; teach, and mentor a minority student.

At DEC, Dr. Irizarry is a member of the Technology Transfer Program. She earned a Ph.D. from Purdue University, a master's from the University of Illinois, Urbana, and a B.S. from the University of Puerto Rico at Mayaguez, all in industrial engineering.

The VPW program brings women scientists and engineers from industry, government and academic institutions to research universities as visiting professors. The visiting professors research, teach, counsel, and engage in other activities to encourage students, particularly other women, to pursue careers in science and engineering.

As part of the NSF initiative to enhance the participation of women in U.S. science and engineering research, the VPW program has awarded grants totalling \$2.8 million to 22 women scientists. Host and home institutions have contributed nearly \$1 million to these awards.

## Name change announced for Educational Office Personnel

Penn State Educational Office Personnel has changed its name to Penn State Educational Office Professionals. PSEOP board members recommended this change as a result of the National Association of Educational Office Professionals name change announced last year.

Following is the Penn State Educational Office Professionals Mission Statement:

"Penn State Educational Office Professionals (PSEOP) is an organization dedicated to increasing the level of professionalism of the University's personnel through continuing development.

"PSEOP is working toward increased recognition of educational personnel by developing an awareness, both from within and outside the University community, of the high professional levels of the personnel at Penn State.

"PSEOP strives to bring about a spirit of cooperation among all personnel within the University.

"PSEOP continues to develop and expand the positive attitude among employees at Penn State."

Programs are open to all University employees. If you are interested in membership, programs, or services of PSEOP, contact Jenny King, president, at 865-7681.



## DIVERSITY

## Trustee to speak on issues facing professional women

Nancy Van Tries Kidd, a member of the Board of Trustees, will speak on "Attaining and Maintaining Respect as a Professional Woman," following the Jan. 21 meeting of the Commission for Women.

Dr. Kidd, a licensed psychologist and mediator, is president and director of Psychological and Counseling Resources, Inc. in Richmond, Va.

A trustee since 1973, she graduated from Penn State in 1977 with a D.Ed. in counseling psychology. She has taught psychology, counselor education and women's studies at Glendale College, the University of Richmond, Providence College and the U.S. Naval Training Center in Newport, R.I. She was associate professor and director of the Women's Resource and Counseling Centers at the Community College of Rhode Island. Dr. Kidd has been a consultant with both the Rhode Island and Pennsylvania Departments of Education, as well as corporations and federal agencies.

The Commission for Women has often sponsored speakers of special interest to women at Penn State.

Dr. Kidd's presentation will address issues of women and leadership—long an area of concern to the Commission.

Scheduled events on Jan. 21 are: Commission for Women meeting, 1-3 p.m., Room 501, Keller Conference Center; presentation by Dr. Kidd, followed by question and answer session, 3:30 p.m.; reception in honor of Dr. Kidd, 5 p.m., 502 Keller Conference Center.

The University community is invited to attend.



Nancy Van Tries Kidd

## KING CELEBRATIONS

A number of University campuses are holding special programs in observance of Martin Luther King Jr. Day.

Among the programs being planned are:

♦ Allentown: Albert R. Murray, retired New York State Criminal Court and Supreme Court judge, will speak at noon Monday, Jan. 18. Tuesday, Jan. 19: film, "Legacy of a Dream, Martin Luther King Jr.," noon; Wednesday, Jan. 20: Michael Stevens Harper, professor of English at Brown University, will read poetry reflecting the meaning of Dr.

schools.

♦ Beaver: Monday, Jan. 18: Film highlighting the history of Dr. King and his fight for freedom and equality; presentations by students, staff and faculty to include readings, remarks and vocal performances. Featured speaker will be Lois Dabney-Smith, psychologist and consultant.

♦ Berks: Monday, Jan. 18: Special student memorial service, 1 p.m.; "African-American Heritage Dinner," 5 p.m.; "Celebrating Unity in Our Community,"—a trip to Trinity Lutheran Church in Reading,

faculty, staff and guests will share their reminiscences, reactions, and perceptions of Dr. King at 12:30 p.m. Friday, Jan. 15. Following the recollections and discussions, there will be a video presentation of Dr. King's "I Have a Dream" speech. Tuesday, Jan. 19: The Lincoln University Gospel Choir will perform a tribute to Dr. King, 11:30 a.m.

♦ DuBois: Special program: at noon Monday, Jan. 18. Speakers will include Donald T. Hartman, campus CEO, and J. Matusz, campus, acting director of academic affairs.

♦ Penn State Erie, The Behrend College: Friday, Jan. 15: The Late Edition will perform a repertoire of original jazz from Dr. King's era, 9 p.m.; Sunday, Jan. 17: "Sunday with the Times" will focus on editorial treatment of the holiday, 11 a.m.; Monday, Jan. 18: Campus-wide celebration of Dr. King's "I Have a Dream" speech, 4 p.m.; Candlelight Vigil, 6:30 p.m.; Shiloh Baptist Church Choir, 8 p.m.; Tuesday, Jan. 19: Erie Bayfront Ballet, 7:30 p.m.; Wednesday, Jan. 20: Rev. Dwayne Brock of Erie's Victory Christian Center, will speak on the civil rights movement and how it relates to education's emphasis on diversity issues, 8 p.m.; Thursday, Jan. 21: "Universal Voices of the Message of MLK," an open forum for Penn State-Behrend students, 7 p.m.; Friday, Jan. 22: poetry readings, noon.

♦ Fayette: The campus celebration begins at 1 p.m. Monday, Jan. 18, with the viewing of the film, "I Have a Dream," followed by a panel discussion and an awards ceremony. Tuesday, Jan. 19: Performance by the Kuntu Dance Troupe; Thursday, Jan. 21: All-faith ecumenical service.

♦ Penn State Great Valley: Edith Scott Bagley, sister of Coretta Scott King, will speak on "Legacy of a Dream" at noon Friday, Jan. 22.

♦ Hazleton: Dorothy Cotton, nationally known leader of the civil rights movement, will be the guest speaker at a special program on Monday, Jan. 18. She will discuss her activities in the civil rights movement and her view of the challenges of civil rights and cultural diversity in America today.



As part of a week-long King celebration, Penn State Erie, The Behrend College will host the Erie Bayfront Ballet (shown above in the photo on the left) at 7:30 p.m. Tuesday, Jan. 19. In the photo at right, taken by Greg Grieco, W. Terrell Jones, deputy vice provost for educational equity, models the "Share the Dream" t-shirts still available at University Park.

King's life, noon; Thursday, Jan. 21: film, "Race Against Prime Time," noon.

♦ Altoona: The King Celebration, a joint campus and community program, will feature the Honorable Cynthia A. Baldwin speaking on "If Not Now, When?" at 3:30 p.m. Sunday, Jan. 17. The Martin Luther King Jr. Celebration Committee also is sponsoring an essay contest for students at the campus and Blair County area high

6 p.m.; Tuesday, Jan. 19: "Enhancing Race Relations on Campus," a roundtable discussion, 7 p.m.; Wednesday, Jan. 20: film, "Mississippi Burning," 7 p.m.; Thursday, Jan. 21: "Learning about the King—Dr. King," brown bag lunch program; Friday, Jan. 22: "The Meeting," a special professional theatre presentation on what it would be like if Dr. King and Malcolm X would have met, 1 p.m.

♦ Delaware County: Students,

♦ McKeesport: The Rev. Jason Barr, University of Pittsburgh, will speak on "The King Legacy" at 1:30 p.m. Monday, Jan. 18. An art exhibit will be on display Jan. 18-22. Friday, Jan. 22: Mt. Ararat Baptist Church Choir, 8 p.m.

♦ Mont Alto: Monday, Jan. 18: Diane Jefferson, director of minority student affairs at Shippensburg University, will speak on "The Dream vs. The National Agenda" at 1:30 p.m. A special dinner, complete with high-dish cake, Also, a Black Heritage Art Exhibit and a literary display will be on Jan. 18-23.

♦ Penn College: Monday, Jan. 18: An afternoon gathering will include a showing and discussion of segments of the "Eyes on the Prize" series. Student speaker Timothy Young will deliver Dr. King's "I Have a Dream" speech. The college will conduct "Cultural Awareness Week" Jan. 18-22. A special exhibit honoring Dr. King will be on display in the library.

♦ Schuylkill: Arthur L. Harris III, lecturer in Black studies, will discuss "The Myth: Malcolm/ King Differ-ences?" at 7 p.m. Wednesday, Jan. 20.

♦ Shenango: The Rev. Tyrone Crider, pastor of New Hope Community Baptist Church, Chicago, Ill. will be the featured speaker at noon, Monday, Jan. 18.

♦ University Park: The Forum on Black Affairs will hold its 15th annual Dr. Martin Luther King Jr. Memorial Banquet at 6 p.m. Friday, Jan. 15, in the Hertz Union Building. The Rev. Amos C. Brown, civil rights activist, pastor and educator, will be the keynote speaker at 7:30 p.m. Monday, Jan. 18, in Eisenhower Auditorium. His speech will be telecast live on PENNARAMA and on WPSX-TV, Channel 3, throughout much of the state.

♦ Wilkes-Barre: Excerpts from the PBS series, "Eyes on the Prize," will be shown and students will present personal reflections on how individual lives have been affected by the example and the work of Dr. King at noon, Monday, Jan. 18. A 6:30 p.m. program of film and readings will culminate in a candlelight procession to the site of the Peace Pole on campus.

# Committee and subcommittees named to review achievement award nominations

President Thomas has appointed a general committee chaired by Billie S. Willis, assistant vice president for human resources, to review nominations for the Faculty/Staff Achievement Awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, the Barash Award for Human Service, the Staff Excellence Award, and the Penn State Equal Opportunity Award.

Five subcommittees will screen nominations and develop recommendations for the respective awards. Members are:

◆ *McKay Donkin Award subcommittee:* James M. Elliott (chair), Dan Davis, Margaret Hopf, Vernis Welton, J.D. Hammond, and Herbata Ungren.

◆ *Barash Award subcommittee:* Vicki Fong (chair), David Lee, Sid Friedman, Kimberly Hopkins, Richard Bundy, Bob Kidder and Carmen Borgus.

◆ *Wilkinson Award subcommittee:* Lydia Abdullah (chair), Larry Young, Lewis Mothersbaugh, Ellen Perry, Michael Klein, Joanie Ghaner and Alicia Bunnell.

◆ *Staff Excellence Award subcommittee:* Richard Bunnell (chair), Mary Dupuis, James Ryan, John Lee, Catherine Lyons, Carla Rossi, Cynthia Tressler and Louise Sandmyer.

◆ *Equal Opportunity Award subcommittee:* Peter Weiler (chair), Beverly Ladrido, Steve Hayes, Santa Baraza, Laura Wexler (student) and Marilyn Estridge.

Nominations are still being accepted for the 1993 awards, and are encouraged from University and local community organizations and individuals. Nominators should contact the office of Human Resources at 865-1412 to request a copy of a standardized format for submitting nominations.

Please refer to the Nov. 5, *Penn State Intercom* article for additional information related to the awards process. Nominations should be sent to Billie S. Willis, Box 6, Rider Building, no later than Jan. 25. Supporting information which accompanies nominations should be as brief and specific to the award criteria.

## Projects

### Continued from Page 1

library at Penn State Harrisburg.

"The library is at the heart of the academic experience," Dr. Thomas said. "The growth at Penn State Harrisburg has placed a strain on the library facilities and this action by the Governor will have a positive impact on the quality of the educational experience at the Harrisburg campus."

The president noted that all the projects fit the

strategic plans for the University and will contribute to Penn State in ways that will be felt for decades to come.

"When funding for these capital projects for 1992-93 is released and added to the Operation Jump Start programs the Governor initiated this fall, it will support further the tremendous momentum under way to address Penn State's space needs," he said.

Through Operation Jump Start, Gov. Casey released funds for an addition to Patten Library, an engineering building, another classroom building and a number of other important projects at University Park and other Penn State locations.

### PENN STATE PROJECTS

The University projects included in the new bill are:

- ◆ Expansion of the HUB/Robeson Cultural Center at University Park, \$21 million.
- ◆ Library at Penn State Harrisburg, \$17.33 million.
- ◆ Pedestrian bridge connecting west campus to core campus at University Park, \$1.84 million.
- ◆ Utility system expansion and improvements at Berks Campus, \$2.89 million.
- ◆ Water, electrical and telecommunications systems improvements at Mont Alto Campus, \$3.41 million.
- ◆ Electrical distribution system improvements at University Park, \$10.65 million.
- ◆ Steam distribution improvements at University Park, \$12.05 million.
- ◆ Equipment for the following: \$4.484 million for the Bryce Jordan Center, University Park; \$1.61 million, Agricultural Science and Industries Building, Phase II, University Park; \$335,000 for Agricultural Science and Industries Building, Phase III, University Park; and \$65,000 for the physical education building at Altoona Campus.

### PROMOTIONS

#### Staff

- Mary A. Alterio, to Staff Assistant VI in Intercollegiate Athletics.
- Tiffany M. Andrews, to Staff Assistant VI in Intercollegiate Athletics.
- Lori L. Bane, to Research Coordinator in the Division of Development and University Relations.
- Jean S. Belme, to Staff Assistant VI at Great Valley Campus.
- Patricia A. Biedke, to Job Scheduling Coordinator in the Office of Physical Plant.
- Lynn L. Boenzli, to Outpatient Scheduling Coordinator at the Hershey Medical Center.
- Cristene N. Boob, to Staff Assistant VI in the Corporate Controller's Office.
- Kenneth J. Deibaugh, to Foreman, Trades in Research and Graduate School.
- Joelle S. DeVinney, to Staff Assistant V in the Office of Physical Plant.

- Wendy R. Donley, to Staff Assistant V in Science.
- Robert M. Epler, to supervisor, Building Operations Center at Hershey.
- Kerrie A. Fies, to Staff Assistant IV at the Hershey Medical Center.
- Marie M. Forster, to Manager, Purchasing and Receiving Stores at the Hershey Medical Center.
- Carolyn S. Gackebach, to Marketing Information Coordinator in Computer and Information Systems-Computation Center.

#### Technical/Service

- Virginia E. Florko to Utility Worker at the Hershey Medical Center.
- Chris M. Henninger to Equipment Operator in the Office of Physical Plant.
- Vickie I. Krulski to Operating Room Instrument Aide at the Hershey Medical Center.

### NEWS IN BRIEF

#### Block drives

The Centre Communities Chapter of the American Red Cross, in cooperation with student and faculty/staff groups at University Park, will host several block drives in January. They are: Jan. 18, 101 Kern, 10 a.m. - 4 p.m.; Jan. 19, HUB Reading Room, 11 a.m. - 4 p.m.; Jan. 22, Physical Plant, 9 a.m. - 3 p.m.; Jan. 27, HUB Ballroom, 10 a.m. - 4 p.m.; Jan. 28, HUB Ballroom, 10 a.m. - 4 p.m.

Giving blood is safe and easy, takes a little over an hour, and includes a brief physical and something to eat. While waiting, an welcome, appointments are appreciated; call 865-1211 for Kern, 527-2713 for the HUB, and 863-2340 for the Physical Plant.

#### Involvement fair

The annual Spring Student Involvement Fair will be held from noon to 6 p.m. Wednesday, Jan. 20, in the ballroom of the Hertz Union Building at University Park.

More than 100 tables of interest will be staffed by Penn State organization members, University departments and local service agencies. Membership and activity information will be available to interested individuals.

#### Parenting course

Through the Individual and Family Consultation Center of the College of Health and Human Development, a 12-hour parenting course will be offered for parents interested in learning how to discipline and communicate more effectively with their children ages 3-12 years.

The course, free of charge, will be offered at lunch hours at University Park and in the evenings at several off-campus sites. For more information or to enroll, call the Consultation Center, University Park, 865-1751, 8 a.m. to 5 p.m. Classes will begin Jan. 18.

#### AIDS coalition

A coalition of University and community volunteers has come together in Centre County in an effort to promote awareness and education on AIDS (Acquired Immune Deficiency Syndrome). The coalition, C.A.R.E.S. (Community Aids Resource Enhancement Services) is working to bring the Names Quilt to the State College/University Park area in the fall of 1993, and along with the Names Quilt, will conduct a comprehensive program of AIDS education.

The coalition is led by co-chairs Judy Albin, assistant director for residence life at Penn State, and Sally Maud Robertson, co-director of the AIDS Project in State College.

The coalition has begun to do fund raising projects and is planning for the arrival of the quilt in October 1993. For further information, contact Judy Albin at (814) 865-5375 or Sally Maud Robertson at (814) 237-7087.

#### Inn dining

The Nittany Lion Inn will resume full dining services with breakfast on Monday, Jan. 18. Regular services in the dining room and the Faculty Club were cut back during the holidays for renovations. Although some construction will continue through the spring, much of the work will be confined to the second floor.

#### Faculty Staff Club

Beginning Thursday, Jan. 21, the Faculty Staff Club will begin sponsoring monthly "Third Thursday Time-Outs." Third Thursdays will feature beverages and light snacks (for a nominal fee), and will be held from 5 to 7 p.m. in the Nittany Lion Inn. The Club established Third Thursdays to provide opportunities for faculty and staff to relax and socialize after the workday.

The Third Thursday Timeout scheduled for Jan. 21 will be a chance to welcome everyone back for the new semester. It will be held in the Fireside Lobby at the Inn. All Club members are encouraged to drop in. Any questions can be referred to Sally Kalin (865-0672, swk@palmas.psu.edu) or Sandy Edwards (863-4012), co-chairs of the Programming Committee, Faculty Staff Club.

## Questions about health care?

# HealthAmerica provides answers

Following are questions and answers about Plans A or B, HealthPass PPO and HealthAmerica HMO Health Care Coverage.

### Where should I send my claims?

Submit claims for 1992 to Prudential as quickly as possible to avoid delays in processing. All claims for any of the health plans, for 1993 dates of service, should be sent to HealthAmerica, P.O. Box 2996, Pittsburgh, PA 15203-2996. Denials and vision claims will continue to be processed by Prudential.

### What claim forms should I use?

You can send your bills in directly to the P.O. Box without a claim form. Claim forms are not required by HealthAmerica under HealthPass, Plans A and B or HealthAmerica HMO. However, it is important to include your name, your social security number and the patient's name with your claim submission.

### How are HealthPass claims filed?

As a member of HealthPass, participating (in-network) providers should be providing treatment and billing HealthPass directly. Once the claim has been processed, the participating provider will bill you only the amount for any of the deductible not satisfied or the 20 percent employee share. If you go to nonparticipating providers, you may be asked to pay for services up front.

### How will HealthAmerica know where to send the money?

Payment will be made to the provider for health care treatment. (Charges for prescription drugs and supplies will be refunded directly to the employee.) If a claim indicates patient payment has been made, the reim-

bursement will be directly to the patient. In either case, both the provider and the patient will receive notification that payment has been made.

### What are the procedures for precertification?

Precertification of admissions is required under HealthPass PPO and Plans A and B. If you are in the HealthPass PPO option and going to a participating provider, the provider will obtain precertification. If you have the HealthPass option and are going to a nonparticipating provider or are in Plan A or B, you or a family member must precertify the admission directly by calling 1(800) 959-0115.

### How do I add a new dependent or new spouse to my coverage?

You may have 31 days from the date a dependent first becomes eligible to enroll that dependent under University benefits regardless of your selected medical plan. Newborns must be enrolled within 31 days from date of birth and new spouses must be enrolled within 31 days from date of marriage. Failure to enroll a dependent within 31 days means no coverage unless you can provide evidence of insurability. This is an important change from last year. Even if you already have family coverage, you must submit an enrollment form for each new dependent within 31 days from eligibility. Enrollment forms are to be mailed to Employee Benefits, 120 South Burrows, State College, PA 16801.

If you have any questions concerning your new health care benefits, call HealthAmerica's Member Services Department Monday through Friday from 8:30 a.m. until 5 p.m. EST at (814) 231-8970 or 800-366-6455.



**Congratulations!** Penn State Union Way Chairperson Jim Ryan (left) congratulates Blockbuster Bowling trip winner Kenneth Thiipen, associate professor of English, at the Finale Campaign. As of Dec. 9, \$294,696 was committed to the agency, nearly \$20,000 over the goal of \$275,000. More than 300 University volunteers participated in this year's campaign. Photo: University Photo/Graphics

## New system provides services for those in non-credit courses

A project to develop a non-credit registration and records system as part of the University's Integrated Student Information System (ISIS) has been announced by C. Gregory Knight, vice provost and dean for undergraduate education. The project will extend coverage of the ISIS to more than 110,000 students annually and is expected to take up to 18 months to complete.

The project is being conducted under the auspices of the Student Systems Committee, with the direct participation of the Office of Administrative Systems, Commonwealth Educational System, Continuing Education, the colleges, and the University Registrar, Bursar, and Office of Student Aid.

Dr. Knight, who is chair of the Student System Committee, said the new system is to provide for non-credit program and course approvals, scheduling, tuition or fee billing, financial aid, registration, class lists, course grades, transcripts, and operations reporting and is to serve all offices at all locations offering non-credit programs and other courses not yet included in the ISIS. It also is to provide the same or similar information services as the current ISIS student registration and records system and will build on and be integrated into the existing system.

A project steering committee including Kenneth Blythe, Administrative System; Shirley Hendrick, Smeal College of Business Administration; Fred Loomis, Continuing Education; John Leathers, Commonwealth Educational System; Roseann Sjeminski, Bursar; J. James Wager, Registrar; Anna Griswold, Student Aid; and E.R. Melander, Student System Committee, as chair, is charged with general oversight responsibilities for the design, construction, and implementation of the project.

Frank Miller, York Campus registrar, is on special assignment as the leader of management and development teams charged with responsibilities for the actual implementation of the project. Richard Sodergren, director of enrollment services in the Office of the University Registrar, will be on full-time assignment to the teams, with additional personnel being provided by Commonwealth Educational System, Continuing Education, and other participating offices. Over thirty-four college, campus, and operational offices will be providing liaison representatives as the management and development teams design and implement the systems included in the project.

The project management and development teams are located in the Keller Building and may be contacted by calling (814) 863-2119.

## IDP asking for preliminary proposals to enhance undergraduate education

The Instructional Development Program (IDP) currently is soliciting one-page preliminary proposals for the United Federal Bank Endowment for the Enhancement of Undergraduate Instruction.

Purpose of the endowment is to enrich undergraduate instruction by providing support for innovative instructional projects, especially those with a potentially lasting effect.

During the 1993-94 academic year, IDP expects to make several award in the range of \$3,000 to \$5,000.

Proposals may be submitted by faculty members in all colleges at all locations, and by staff members in academic support units.

Recommendations for the awards will be made by a review committee composed of members of the Administrative Council on Undergraduate Education and the Society of Teaching Award Recipients.

According to Diane M. Enerson, IDP director, successful proposals in previous years included support for the creation of innovative instructional methods and procedures; new courses, minors, and options, including honors sections and courses; and

courseware, including both computer or audio-visual, for new or existing courses.

Construction of capital facilities and funding for the normal requirements of classroom and laboratory instruction are excluded from support. Also excluded is the purchase of multiple-use hardware such as laser printers.

Because of a communication problem in the Dec. 3 issue of Intercom, the deadline for preliminary proposals has been extended to Jan. 20.

Proposals should be submitted to Dr. Enerson at 401 Grange Building. She said the screening process will be based on criteria such as:

potential impact on undergraduate education; applicability elsewhere in the University system, and possibility of cost-sharing components.

Those selected for further review will be asked to submit more elaborate final proposals. Awards will be announced at the University Awards Convocation on March 28.

**Proposals may be submitted by faculty members in all colleges at all locations, and by staff members in academic support units**



U.S. Secretary of Commerce, Barbara Hackman Franklin, spoke at commencement ceremonies at University Park Jan. 9 for all students graduating with associate degrees and for baccalaureate degree candidates in the colleges of the Liberal Arts, Science and Education.

Photo: Greg Grieco

#### FACULTY SENATE NEWS

The University Faculty Senate will meet at 1:30 p.m. Jan. 19 in Room 112 Kern Graduate Building. Items to be discussed:

- Modification of Policies on Academic Drop (54-50), Baccalaureate Degree Candidates (54-52), and Associate Degree Candidates (54-54).
- Modification of Policy on Entrance and Changes in Major Program of Study (37-30).
- Status of University construction projects.
- Proposal for new requirement and procedure for admission to the theatre arts major.
- Reserved spaces program.
- Campaign for the Libraries.
- Research and graduate studies.
- Census report for 1993-94.
- Discussion of proposals to the University Future Committee.

Members of the University community are invited to attend this and all meetings of the University Faculty Senate.

#### CARPOLERS

Carol needs a ride from Tyrone to University Park. Work hours are 8 a.m. to 5 p.m., Monday through Friday. Call Carol at 865-6524 or 684-4114.

Jackie is looking for a ride from Tyrone to University Park. Work hours are 8 a.m. to 5 p.m., Monday through Friday. She is willing to pay small fee. Please contact her at 863-0205 or 684-4596.

Katherine is seeking a driver to carpool from Philipsburg to University Park, Monday through Friday, 8 a.m. to 5 p.m. She can be reached at 865-2645.

Rita needs a ride from Madisonburg to Pattone Library. Her work hours are from 1 p.m. to 10 p.m., Monday through Thursday. Call Rita at 865-5429.

Robin and Kathy are looking for another carpooler from Reedsville to University Park. Work hours are 8 a.m. to 5 p.m., Monday through Friday. Call Robin at 865-0313 or Kathy at 865-7517.

Vicki would like to carpool from the Lewisstown/Belle-ville area to University Park. Work hours are 7:30 a.m. to 4:30 p.m., Monday through Friday. Call 865-1784 or (717) 935-5632 for details.

## Applications sought for two openings in Administrative Fellows Program

The Office of the President is seeking applications and nominations for the Administrative Fellows Program for 1993-94. Two fellows are sought, one to serve under the mentorship of John A. Brighton, executive vice president and provost of the University, and the other under Steve A. Garban, senior vice president for finance and operations-treasurer.

The Administrative Fellows Program provides career development opportunities for women and minority faculty and staff. By serving under the mentorship of a senior level administrator, fellows, who are seeking the background necessary to compete at higher levels of administration, will have an opportunity to broaden their perspectives and experience in higher education administration. Such an experience is designed to allow fellows to become more effective in their existing positions within the University and to provide a base for them to consider more advanced positions in the future.

Objectives of the program include:

- To identify women and minorities who have potential for effective leadership.

- To increase the Administrative Fellows' awareness of the complexity of issues facing higher education and to enhance their understanding of the environment in which decisions are made.

- To provide opportunities for Administrative Fellows to participate in a wide range of decision-making processes, learning activities, and program management so that they will be better equipped to understand the challenges of higher education administration upon completion of the fellowship.

Although completion of the program does not guarantee appointment to an administrative position at the University, persons who complete the program increase the pool of women and minorities

interested in pursuing careers in University administration.

The selection criteria are:

Full-time faculty or staff member; demonstrated success in current position and interest in an administrative career; evidence of leadership experience and decision-making ability; ability to relate effectively with students, faculty, and staff; and an understanding and appreciation of cultural, ethnic and individual differences; willingness to accept a wide variety of assignments.

Women and minorities meeting these qualifications at all University locations are strongly urged to apply. The successful candidate will be placed on leave of absence from her or his current position and continue to receive a regular salary. The starting dates of each fellowship may vary depending on the office and the fellow's commitments.

The successful Administrative Fellow will develop a learning plan outlining activities for the year, in consultation with either the provost or the senior vice president for finance.

The program is competitive. A screening and interview committee will recommend candidates to Dr. Brighton and Mr. Garban. Serving on the committee will be a representative from the Commission for Women, representatives from the offices where the fellows will be placed, a past fellow, and a representative from the Office of Human Resources.

Applications for the Administrative Fellows Program are available from the Office of Human Resources at 865-1387. Applications should be returned to the Office of Human Resources, Box 6, Rider Building, as soon as possible, but no later than March 1. For more information, call Robert L. Kipper, at 863-4606.

### 67th Annual Joseph Priestley Lectures in Chemistry

## MIT professor to give four-lecture series

Robert S. Langer, Kenneth J. Gerneshausen professor of chemical and biomedical engineering at the Massachusetts Institute of Technology, will present the 67th annual Joseph Priestley Lectures in Chemistry Jan. 18 to 21 at University Park.

The four-lecture series, titled "Advances in Biotechnology and Biomaterials," is sponsored by the Eberly College of Science with a grant from Exxon Research and Development Laboratories and is free to the public.

Dr. Langer will lecture on: "Biotechnology: New Applications of Biomaterials in Drug Delivery and Tissue Engineering," 8 p.m. Monday, Jan. 18, in 102 Classroom Building; "Novel Polymeric Systems for Peptides, Proteins, and Vaccines," 8 p.m. Tuesday, Jan. 19, in 102 Classroom Building; "Immobilized Enzyme Bioreactors for Removal of Heparin, Bilirubin, and Cholesterol," 4 p.m. Wednesday, Jan. 20, in 5-5 Osmond Laboratory; and "Inhibition of Neovascularization in Cancer and Other Diseases," 12:15 p.m. Thursday, Jan. 21, in 5-5 Osmond Laboratory.

Dr. Langer specializes in research on the temporal control of drug delivery and medical application of controlled drug release. In these studies, controlled release is achieved, among other techniques, through the use of biodegradable polymers as the agent of delivery. He also has done research on the use of immobilized enzymes and other materials in the regulation of biologically active compounds in body fluids.



Robert S. Langer

This later work led him to an interest in artificial organs.

During his career, Dr. Langer has won numerous awards, including the 1992 Applied Polymer Science Award of the American Chemical Society, the 1991 Organon Teknika Award of the European Society for Artificial Organs, the 1990 Professional Progress Award of the American Institute of Chemical Engineers, and the 1989 Founders Award for Outstanding Research of the Controlled Release Society. In 1982, the MIT graduate student council presented him with its Outstanding Teacher Award.

Named a Founding Fellow of the American Institute of Medical and Biological Engineering in 1992, Dr. Langer also is an elected member of the National Academy of Sciences, the National Academy of Engineering, the NAS Institute of Medicine, and the Gordon Conference Research Council.

Prior to joining the MIT faculty as an assistant professor of nutritional biochemistry in 1978, Dr. Langer was a research associate at Children's Hospital Medical Center, Harvard Medical School, and chair of the mathematics and science departments at The Group School in Cambridge, Mass.

The Priestley Lectures are named in honor of Joseph Priestley, the 18th-century chemist who discovered oxygen, and were established by the late Professor Wheeler P. Davey in 1926.

# University to help U.S. decrease reliance on imported oil

Over the next three years, University researchers will lead a team helping the U.S. Department of Defense decrease its reliance on imported oil and increase its use of domestic coal.

The DOD has named Penn State as a National Center of Excellence for Coal Utilization and, through an Interagency Agreement with the U.S. Department of Energy, awarded \$15 million in research funding to the consortium to explore methods of converting existing oil-fired boilers to coal. The DOE's Pittsburgh Energy Technology Center will provide federal management of the project for the DOD's Corps of Engineers.

"The Department of Defense is under mandate from Congress to reduce its reliability on imported fuels," says Alan W. Scaroni, professor of fuel science and director of the Energy and Fuels Research Center. "In many cases, this translates into using domestic coal.

"We have spent a decade in the laboratory developing the idea of burning coal in boilers initially designed for oil. We have developed this to a stage where we are now ready to demonstrate our expertise in the field."

In the first part of the project with the DOD, the researchers will look at military boilers and determine which ones are candidates for conversion. There are

cost estimates, engineering analyses and engineering drawings necessary to convert the chosen boiler to coal," Dr. Scaroni said.

It will then be up to the DOD to decide to continue and convert the boiler.

The first phase of the project will focus on burning relatively clean coal — coal that has had the sulfur and ash content lowered. The second phase will look at ways that will allow firing of high ash, high sulfur coal without hurting the environment.

The third and final phase will examine the potential of co-firing wastes with coal-based fuels and also determine the needs and benefits of using coal-based fuels in small space heating and/or cogeneration units that can provide both heat and electricity.

All phases of the project will include testing at Penn State's demonstration boiler. The coal sources will be identified, made into appropriate coal-based fuels and then burned in the configuration considered appropriate for the DOD's boiler.

**"The Department of Defense is under mandate from Congress to reduce its reliability on imported fuels ... this translates into using domestic coal."**

Alan W. Scaroni

director of the Energy and Fuels Research Center

an estimated 5,000 to 6,000 boilers currently in use at military installations, mostly for heating applications.

Once an appropriate test site is chosen, the researchers will design a specific retrofit for that boiler to burn either coal water slurry fuel or dry micronized coal fuel.

"By the end of the first year of this project, we will provide the Department of Defense with all the tools,

eration for the growth, development, and safety of the children.

The book is divided into several themes:

The evolution of play and playgrounds; planning playgrounds; take into consideration child development, safety, accessibility and supervision; care and maintenance; legal and safety standards; and a bibliography of playground equipment companies and consultants, as well as publications and audio-visual materials.

The book, published by the National Recreation and Park Association, was prepared for the 1992 Playground Safety Institute.

Donald H. Ford, acting head of the biobehavioral health program in the College of Health and Human Development, has co-authored a new book, *Developmental Systems Theory: An Integrative Approach*.

The other co-author is Richard M. Lerner, former Penn State professor of child and adolescent development, now director of the Institute for Children, Youth and Families at Michigan State University.

The book introduces a new comprehensive theory of human development. By integrating past research and theories into a larger framework, it is intended to give a better representation of the patterns of biological, psychological and behavioral variables that interact to shape a person's development.

The theory focuses on how people carry out "transactions" with their environments, and how those transactions cause biological, behavioral and environmental elements to change or stay constant. The authors also examine the theory's potential uses in research, clinical settings and in the formulation of social policy.

*Developmental Systems Theory* merges the ideas of "Developmental Contextualism," a model developed by Dr. Lerner, and the "Living Systems Framework," first proposed by Dr. Ford.

The book is published by Sage Publications.

E. Willard Miller, professor of geography and an associate dean for resident instruction, emeritus, College of Earth

and Mineral Sciences, is author of *The College of Earth and Mineral Sciences at Penn State*, published by the Penn State Press.

Dr. Miller traces the evolution of the college from its origin in 1859 when earth science courses were first offered in an agricultural program, to the establishment of the School of Mines in 1890 with its single major in mining engineering, to the creation of a mineral industries college by Dean Edward Steidle in the 1930s, and up to the present as a comprehensive college dedicated to the study of the entire earth.

The volume charts the evolution of one of the uniquely structural colleges in the American university system. The college has long recognized the success of its teaching and research programs rests squarely on the abilities of its faculty. Consequently, emphasis is placed on the work of individual faculty members in each of the disciplines of the college revealing the strong interaction between teaching and research and its benefits to students.

Elizabeth J. Susman, professor of human development, nursing and biobehavioral health; Lynne V. Feagans, professor of human development, and William J. Ray, professor of psychology, are editors of a new book, *Emotion, Coping, Health and Development in Children and Adolescents*.

The book focuses on the integration of health and behavior, an area in which research historically has emphasized adults rather than children and adolescents. It attempts to fill the gap by focusing on the role of emotion, thought and health in the development of children and adolescents.

The chapters are organized around four themes: history and theories of behavioral health in childhood and adolescence; the way children form attachments and independence in relationships; the relationship between disease and behavior; and new perspectives on health and implications for intervention.

The book is published by Lawrence Erlbaum Associates.

Marlene Boyd Vallin, associate professor of speech communication and

American studies at the Penn State Berks Campus, is the author of *Mark Twain—Protagonist for the Popular Culture*, published by Greenwood Press.

The book, included in the reference series, *The Greatest American Orators of the 19th and 20th Centuries*, critically analyzes Mark Twain's speeches and declares him an orator.

"Everyone sees Mark Twain as a writer first," Dr. Vallin says. "But first he was a master of the platform. I want the world to acknowledge his speaking career."

The first part of the reference work contains a critical analysis of some of Mark Twain's most important speeches. The second part is a text of his speeches, and the third part contains a bibliographic essay for students and scholars who want to study his speeches, and a summary of sources.

The book also includes a chronology of when the speeches were presented.

Glenn Willumson, curator of collections at the Palmer Museum of Art, is the author of *W. Eugene Smith and the Photographic Essay*, published by Cambridge University Press.

The book, an in-depth study of the work of one of the most important and controversial photojournalists of the postwar period in America, begins by examining the antecedents for the photo-essay, a genre that developed in union with the halftone reproduction and the illustrated weekly periodical.

Dr. Willumson analyzes closely how the photo-essay is judged, how it is best known: "Country Doctor," "Spanish Village," "Nurse Midwife," and "A Man of Mercy."

In his study of these works, now acknowledged to set the standard by which the photo-essay is judged, he explores the conception, history, political context, and public and critical reception of the essays.

Analysis of previously unknown details surrounding the completion of each assignment demonstrates Mr. Smith's commitment to the photographic essay as a vehicle for social change.

## BOOK



## SHELF

Charles D. Ameringer, professor of Latin American history, is the editor of *Political Parties of the Americas, 1980s to 1990s: Canada, Latin America and the West Indies*, a 697-page volume published by Greenwood Press (Westport, CT).

Described as a major new reference, the volume surveys political parties of importance in the Americas since 1980, with the exclusion of the United States. The work has been fashioned both to update Robert J. Alexander's prize-winning two-volume set published in 1982, *Political Parties of the Americas*, and to serve as a new analysis of political development and political parties in 49 countries in the Western Hemisphere during the last decade.

Among the scores of scholars who contributed to the volume are John D. Martz and David J. Myers of the Political Science Department, who wrote the chapters on Ecuador and Brazil, respectively.

In addition to serving as editor, Dr. Ameringer wrote the book's preface, introduction, and chapter on Costa Rica, and compiled an appendix ("Chronology") and full index. Each chapter contains a separate bibliography.

Monty L. Christiansen, associate professor of recreation and parks, is the editor of *Play It Safe, An Anthology of Playground Safety*.

The book is a collection of articles written by experts in the fields of play and playground safety. It emphasizes that children's playgrounds must be well conceived, designed, constructed, maintained, and operated with consid-

### Bach's Lunch

The Penn State Trombone Quartet will perform in concert at 12:10 p.m. today in the Helen Eskin Eisenhower Chapel at University Park.

The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include "Drei Equalti" by Beethoven, "Achieved is the Glorious Work" by Haydn and "That's A Plenty" by Jack Gale.



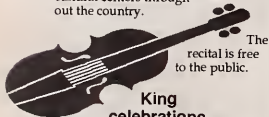
arranged by Jack Gale.

### Recital set

Violinist James Lyon and pianist Timothy Shafer, assistant professors of music, will perform a recital of music for violin and piano duo at 8 p.m. Friday, Jan. 15, in the School of Music Recital Hall at University Park.

The program will include sonatas by Vivaldi, Beethoven, and Strauss, as well as a single sonata movement written by Johannes Brahms.

Mr. Lyon has collaborated in chamber music performances with members of the Lincoln Center Chamber Players and the Tokyo Quartet. Mr. Shafer is a nationally recognized solo, recitalist and clinician who frequently appears in major cultural centers throughout the country.



The recital is free to the public.

### King celebrations

In honor of Martin Luther King, Jr.'s birthday, the University Libraries will show the video "America at the Radical Crossroads" throughout the day in the African American Studies Room of Pattee Library, Jan. 15 and Jan. 18, 8 a.m. to 5 p.m. This video is part two of "Eyes on the Prize."

In addition to the showing, exhibits will be on display in the main lobby and the African American Studies Room of the Pattee Library in honor of Martin Luther King, Jr.

### Watercolor exhibit

Edna Raphael's exhibition "Mountains of New Mexico, 1961-1992, Autumn, Winter, Spring" is on display in Pattee Library's East Corridor Gallery through Feb. 15.

Watercolors of the Sangre de Cristo mountains, Turquoise Trail, Gila National Forest and various other New Mexican scenes created by Ms. Raphael on location are on display.

Ms. Raphael retired from Penn State as an associate professor of soci-

ology and labor studies in 1980. She has exhibited her work in a number of shows in Chicago and Santa Fe.

### "Rapunzel"

"Rapunzel," an exhibition of watercolor and ink illustrations by Pamela Sue Anzman, is on display in Pattee Library's Lending Services Gallery through Feb. 15.

According to the artist, "Rapunzel is a tale of the coming of age of a young maiden into womanhood. 'It's a tale of mothers and witches, thieves and heroes, and even dragons and magical places. A tale yearning for what is out of reach, just on the other side of the window, and of accepting the consequences of actions.'"

Ms. Anzman is returning to Penn State this spring after completing an internship with Walt Disney World college program. She plans to complete a bachelor of arts degree in drawing/painting with a minor in art history in December.

### "Grand Hotel"

The Tony-award winning musical "Grand Hotel" will be performed at 8 p.m. Saturday, Jan. 16, in Eisenhower Auditorium at University Park.

The Broadway hit chronicles the stories of six people passing through Berlin hotel in 1928. Against a threatening background of an impending depression and war, the grandeur and greed of 1920's Berlin unfolds through a rich musical score, a magnificent set and intoxicating dances.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m. Monday through Saturday, at (814)863-0255.

### Solo recital

Double bassist Michael Wang, instructor in music, will perform a solo recital at 8 p.m. Wednesday, Jan. 20, in the School of Music Recital Hall at University Park. Pianist Carl Blake will accompany him.

The program will include two pieces by Giovanni Bottesini, the "Arpeggione" Sonata by Franz Schubert and Concerto in E by K. D. von Dittersdorf.

The recital is free to the public.

### Undergraduate recital

Nine undergraduates from the School of Music and one undergraduate in engineering science will perform in a jury recognition recital at 8 p.m. Friday, Jan. 22, in the School of Music Recital Hall at University Park.

The recital is free to the public.

### Eisenhower tour

Those who have enjoyed past productions in Eisenhower Auditorium at University Park will have the opportunity to see what goes on behind the scenes at the facility with a Center for the Performing Arts tour at 2 p.m. Sunday, Jan. 24.

Knowledgeable staff members will conduct the tour of the 2,600 seat facility which is nearing its 19th year of operation.

The tour is free, but registration is necessary. Call the Center for the Performing Arts Monday through Friday, 9 a.m. to 5 p.m., at (814)863-0388. The deadline for registration is Wednesday, Jan. 20.

### Kronos Quartet

The acclaimed Kronos Quartet will premiere Scott Johnson's final movement of "How It Happens," at 8 p.m. Saturday, Jan. 30, in Eisenhower Auditorium at University Park.

The quartet's performance will feature John Zorn's "Cat 'O' Nine Tails," Michael Daugherty's "Sing Sing," Edgar Hoover, "H. M. Gorecki's "Already It Is Dusk," George Crumb's "Black Angels" and Scott Johnson's "How it Happens." The final movement of "How it Happens," a work inspired by the voice and writings of journalist I. F. Stone, has been commissioned by the Center for the Performing Arts.

For tickets, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m. Monday through Saturday, at (814)863-0255.

### Undergraduate art

Recent paintings and ceramics by undergraduate students in the School of Visual Arts are on exhibit in Chambers Gallery through Feb. 26.

The works by undergraduates in the painting area exhibit a wide range of technique and subject matter. The pieces by students in the ceramic area focus on both sculptural and functional forms. Completed during the fall 1992 semester, they display a variety of firing processes, including raku, high and low fire, and salt glazing.

Chambers Gallery is located in the second floor atrium of Chambers Building at University Park. The gallery is open 8 a.m. to 5 p.m. Monday through Friday.

### Zoller exhibit

Photo National, an exhibition featuring contemporary photographic photography, is on display until Feb. 28 in Zoller Gallery at University Park.

The exhibition was juried by Charles Stambaek, curator of photography at the International Center for Photography, New York City, and represents a survey of current trends in American art and photography. Included in the exhibit are silver gelatin prints, C-prints, ektacolor prints, photo collages and mixed media pieces. Over 1,200 pieces were entered by artists around the nation. From this group, 105 works by 58 artists were selected.

Zoller Gallery is located in 101 Visual Arts Building. Gallery hours are 9 a.m. to 5 p.m., Monday through

Friday, 11 a.m. to 4:40 p.m., Saturday; and noon to 4 p.m. Sunday. Admission is free.

### Korean War memorial

A scale model of the Korean War Veterans Memorial is now on permanent display in the University Archives/Penn State Room, Pattee Library at University Park.

Don A. Leon, Veronica B. Lucas, John P. Lucas, and Eliza Pennypacker-Oberholzer, University faculty members, created the design which was selected from among 540 submitted in a competition held at the Nation's capital on June 14, 1989, during Flag Day ceremonies.

The Memorial stages the experience of moving into and through war, of release from war into the embrace of peace, and of reflection upon war. Its intent is to record and to unify knowledge of the War, to enlighten the uninformed, and to remind those who already know its truth.

### Picasso print

Lots Boe Hyslop, professor emerita of Romance Languages, has donated a print of Pablo Picasso's 1904 etching, "The Frugal Repast," to the Palmer Museum of Art.

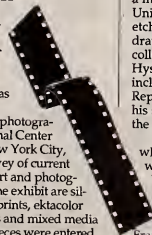
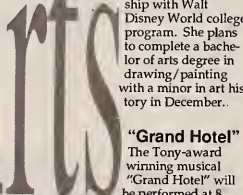
Depicting the trials of city dwellers in turn-of-the-century Europe, "The Frugal Repast" draws on Picasso's memories of his native Barcelona. The picture captures the themes of loneliness and hopelessness that characterize his Blue Period.

Dr. Hyslop began her career in 1948 as an instructor in the Department of French, for which she served as acting head from 1963 to 1965. In 1974, she became the first woman to be named a fellow of the Institute for Arts and Humanistic Studies.

An international authority on Baudelaire and 19th century French literature, Dr. Hyslop is author of the biography, *Henry Becque, and Baudelaire, Man of His Time*. However, she is particularly proud of the works on which she collaborated with her husband, the late Francis E. Hyslop. Their collaborations include the books *Baudelaire on Poe, Baudelaire: a Self-Portrait, and Baudelaire as a Literary Critic*.

Francis E. Hyslop served as professor in the Department of Art History from 1934 to 1974. He played a major role in expanding the University's collection of woodcuts, etchings, lithographs, watercolors, drawings and oil paintings. An astute collector devoted to teaching, Francis Hyslop purchased many rare prints, including Picasso's "The Frugal Repast," for the purpose of providing his students an opportunity to view the works first-hand.

Dr. Hyslop's gift of the Picasso, which is but one of a number of works from the Hyslop collection to be donated to the Palmer Museum of Art, continues the Hyslops' legacy of commitment to art and education. It complements the Francis E. Hyslop Memorial Scholarship for graduate students in art history which was established by Dr. Hyslop in memory of her husband who died in 1979.



# University Park Calendar

Jan. 14 — Jan. 24

## SPECIAL EVENTS

Thursday, Jan. 14

Bach's Lunch, 12:10 p.m., Eisenhower Chapel  
Penn State Trombone Quartet.

Friday, Jan. 15

Forum on Black Affairs, 6 p.m., HUB Ballroom.  
Dr. Martin Luther King Jr. Memorial Banquet.  
School of Music, 8 p.m., Recital Hall. James  
Lyon, violin.

Saturday, Jan. 16

Center for the Performing Arts, 8 p.m.,  
Eisenhower Aud. "Grand Hotel, The Musical."

Monday, Jan. 18

Dr. Martin Luther King Jr. holiday observance,  
7:30 p.m. Eisenhower Aud. The Rev. Amos C.  
Brown.

Priestley Lectures in Chemistry, 8 p.m., 102  
Classroom Bldg. Robert S. Langer on  
"Biotechnology: New Applications of  
Biomaterials in Drug Delivery and Tissue  
Engineering."

Tuesday, Jan. 19

Priestley Lectures in Chemistry, 8 p.m., 102  
Classroom Bldg. Robert S. Langer on "Novel  
Polymeric Systems for Peptides, Proteins,  
and Vaccines."

Wednesday, Jan. 20

Spring Student Involvement Fair, noon-5  
p.m., HUB Ballroom.

Priestley Lectures in Chemistry, 4 p.m., 8-5  
Osmond Lab. Robert S. Langer on "Immobilized  
Enzyme Bioreactors for Removal of Heparin,  
Bilirubin, and Cholesterol."

School of Music, 8 p.m. Recital Hall. Michael  
Wang, double bassist.

Thursday, Jan. 21

Priestley Lectures in Chemistry, 12:15 p.m., 8-5  
Osmond Lab. Robert S. Langer on "Inhibition of



**Pablo Picasso's** 1904 etching, "The Frugal Repast," (shown here) was donated to the Palmer Museum of Art at the University Park Campus by Lois Boe Hyslop, professor emerita of Romance languages.

Neovascularization in Cancer and Other Diseases."

Lesbian, Gay, Bisexual Faculty/Staff and Allies,  
5:30-7 p.m., Nittany Lion Inn Fireside Room.  
Winter reception.

Friday, Jan. 22

Board of Trustees meets.  
School of Music, 8 p.m., Recital Hall. Jury  
recognition recital.

Saturday, Jan. 23

Center for Minority Faculty  
Development, 9 a.m.-noon, 114 Kern.  
Blainie Bowen on promotion and  
tenure. Reservations: Leah Witzig,  
863-1663.

Sunday, Jan. 24

Center for the Performing Arts, 2 p.m.,  
top of Eisenhower Aud. Registration,  
863-3088.

## PUBLIC RADIO

WPSU-FM 91.1

"All Things Considered," Monday-  
Friday, 5-6:30 p.m.; Saturday and  
Sunday, 5-6 p.m.; Morning Edition,  
Monday-Friday, 6-8 a.m.; Weekend  
Edition, Saturday and Sunday, 11  
a.m.-1 p.m. "Odyssey Through  
Literature," 12:30 p.m. Wednesdays,  
with S. Leonard Rubinstein.  
"Perspectives," 6:30 p.m.  
Wednesdays. "Scopes: Women and  
Minorities in the Sciences at Penn  
State," 12:30 p.m. Thursday.

## SEMINARS

Thursday, Jan. 14

Pennsylvania Transportation  
Institute, 9 a.m., 101 Kern. "Software  
Fare: Proposal Preparation and  
Processing."

Adult Education, noon, Charlotte  
Bldg. conference room. Fred Schiel, ass. prof.  
of education, on "Other Voices, Other Realities:  
Towards a Reconceptualization of Adult  
Education."

Friday, Jan. 15

Forest Resources, 1:25 p.m., 205 Ferguson.  
Cynthia West, USDA Forest Service, on  
"Exports of Basic Timber Resources: Who Wins

and Who Loses."

Meteorology, 2 p.m., 112 Walker Bldg. Julian  
Hunt, Meteorological Office, United Kingdom, on  
"Some New Fluid Dynamical Problems Arising in  
Meteorology."

Tuesday, Jan. 19

Biology, 4 p.m., 8 Mueller. Jennifer Normany,  
Whitehead Institute, Cambridge, "Genetic  
Analysis of Axon Biosynthesis and Signal  
Transduction in *Arabidopsis thaliana*."

Wednesday, Jan. 20

Accounting Research Colloquium, 3:30-5:30  
p.m., 333 Beam. Ronald R. King, Washington  
University, on "Experimental Tests of Disclosure  
with an Opponent."

Engineering Science and Mechanics, 3:35 p.m.,  
314 Hammond. Debra Polignone, Univ. of  
Virginia, on "A Continuum Approach to  
Modeling Cavitation in Anisotropic Non-Linearly  
Elastic Solids."

Thursday, Jan. 21

Adult Education, noon, Charlotte Bldg. confer-  
ence room. Stephen Wright, Independent  
Learning, on "Faculty Perspectives in Distance  
Education."

## EXHIBITS

Pattie Library

East Corridor Gallery:  
Edna Raphael's exhibit, "Mountains of New  
Mexico, 1961-1992, Autumn, Winter, Spring,"  
through Feb. 15.

Lending Services Gallery:

"Rapunzel," an exhibition of watercolor and ink  
illustrations by Pamela Sue Anzman, through  
Feb. 15.

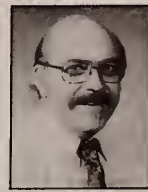
Math Lobby:

United Steelworkers of America Archive exhibit,  
through Jan. 23.

## 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, Enrique Gronlund, instructor in Spanish; Peter Rebano, associate professor of history, and Ingeborg Schuster, professor of chemistry, all at the Penn State Ogoniz Campus; Ellen L. Perry, associate athletic director, Department of Intercollegiate Athletics; and David Huggins, associate professor of engineering, and Barbara Uncaiger, assistant professor of speech communication, both at the Penn State New Kensington Campus.



Also observing 25 years of service, from left, are: Carol Ann Brobeck, cataloging assistant; Frances Durkin, supervisor of physical processing; Harry Knupp, stockroom clerk A; Nolene Martin, associate librarian and head, Interlibrary Loan, and James Petro, building services coordinator, all in University Libraries; and William H. Parsonage, associate professor of administration of justice and health and human development.

## PENN STATERS

Carroll C. Arnold, professor emeritus of speech communication, has received the Distinguished Scholar Award and the Lifetime Excellence in Teaching Award of the Speech Communication Association.

Stanley Baker, professor of education, has been named editor of *The School Counselor*, professional journal of the American School Counselor Association.

James G. Beierlein, professor of agricultural economics, and Richard C. Young, research associate in business logistics, presented a paper titled "Meeting the Short Run Grain Needs of the Former Soviet Union: The Role and Cost of Transportation" at the International Agribusiness Management Association annual meeting in Oxford, England.

Craig F. Bohren, distinguished professor of meteorology, has received a Selby Travelling Fellowship from the Australian Academy of Science for 1993. The Fellowship, which is provided by the trustees of the Selby Scientific Foundation, is for a lecture tour and visits to scientific centers in Australia.

Gerard J. Brault, Edwin Eble Sparks professor of French and medieval studies, gave an invited seminar in French on the Franco-Americans of New England and national identity at Laval University in Quebec City, Canada.

David J. Cannon, assistant professor of industrial and management systems engineering, is one of four researchers nationally to be awarded a U.S. Department of Energy Office of Technology Research grant to develop robotic technologies to increase the safety and reduce the cost of hazardous waste cleanup.

Subhash Chander, professor of mineral processing, and Ronghua Zhou, a post-doctoral researcher in the Department of Mineral Engineering, have been selected as winners of the 1992 Arthur F. Taggart Award of the Society for Mining, Metallurgy and Exploration, Inc. (SME) for their paper, "Effect of Organic Additives on Acid Generation from Pyrite Wastes."

lam-Choon Khoo, professor of electrical engineering, presented two invited plenary lectures on recent advances in liquid crystals optics and nonlinear optics at the 25th Anniversary Celebration Colloquium of the Institute for Material Studies at the National University of Mexico. He also has edited a treatise on "Physics of Liquid Crystalline Materials" [Gordon & BREACH, 1991], and co-authored a book titled *Optics and Nonlinear Optics of Liquid Crystals* [World Scientific, 1992].

Beverly A. Cigler, professor of public policy and administration at Penn State Harrisburg, was an invited plenary speaker for a conference on "Strategic Quality Management in the Public Sector" in Ottawa, Canada. She spoke on "Executive Development in the Public Sector."

Nancy Covert, family living agent in Jefferson County, and Natalie Ferry, county extension director in Union

County, have received Distinguished Service Awards from the National Association of Extension Home Economists.

Peter Cookson, associate professor of education, has been appointed by the Council for International Exchange of Scholars for a three-year term to the Area Advisory Committee for Latin America: Andean Countries/Central America.

Krishna Dhir, director of the School of Business Administration at Penn State Harrisburg, has been appointed to the college's School of Business Administration Professorship for 1992-93 and 1993-4. The endowed professorship was established with funds raised in the college's capital campaign completed in 1991.

James Diamond, assistant professor of agricultural and extension education, has been appointed secretary of the Association of International Agricultural and Extension Education.

Phillip Durst, county extension director in Montour County, has received an Achievement Award from the National Association of County Agricultural Agents for his work in dairy nutrition, herd health and manure management.

Robert B. Eckhardt, of the Department of Anthropology and the Institute of Molecular Evolutionary Genetics, gave a lecture titled "Genetic and Environmental Interactions in Human Adaptation to High Altitude as a Model for Long-Term Evolutionary Change" at the Middle East Area Meeting of the Society of Anthropology and Human Genetics in Frankfurt, Germany. He also presented two papers—"The Interaction of Empirical Evidence and Genetic Theory in the Career of Franz Weidenreich" and "New Analysis of Mitochondrial Data Used to Reconstruct African and Eurasian Hominid Phylogeny Since the Middle Pleistocene"—at the Third International Congress on Human Paleontology in Jerusalem, Israel.

Elliot Eisenberg, professor of engineering at the Penn State Hazleton Campus, has received the Ben C. Sparks Medal of the American Society of Mechanical Engineering in recognition of eminent service to ASME and contributions to engineering and/or engineering technology education.

Leslie Firth, county extension director in Mercer County; Roland Freund, multi-county farm management agent, and Alton Homan, agriculture and 4-H agent in Bradford County, have received Distinguished Service Awards from the National Association of County Agricultural Agents.

Richard Fox, professor of soil science, has been named Fellow of the Soil Science Society of America.

Richard B. Funk, coordinator of Greek Life, has been installed as president of the Association of Fraternity Advisors.

Roger Geiger, professor of higher education, presented a seminar to the Swedish Collegium for Advanced

Studies in the Social Sciences at Uppsala on "The Dynamics of Academic Research in the United States: Institutional Change in the 1980s."

Henry Giroux, Waterbury professor of education, presented the closing address titled, "Literacy and the Politics of Hope," at the Ontario Council of Teachers of English Annual Conference.

Gideon S. Golany, distinguished professor of urban design in the Department of Architecture, will spend four months in Japan during spring semester 1993 as an invited visiting professor in the Visiting Scholars Endowed Chair program of the Research Center for Advanced Science and Technology of the University of Tokyo. He will work with a research team in the Division of Urban Environment Systems on urban design and climate.

Inyong Ham, distinguished professor of industrial engineering and director of the Manufacturing Research Center, has been elected president of the College International pour l'Etude Scientifique de Techniques de Production Mechanique, the leading international organization for advanced production engineering.

Thomas A. Hale, professor of African, French, and comparative literature, was one of 29 scholars invited by the Institute of African Studies at Mohammed the Fifth University in Rabat, Morocco, to participate in a colloquium in Marrakesh on "Morocco and Sub-Saharan Africa at the Beginning of the Modern Era." He presented a paper on "The Fall of the Songhay Empire in 1591: A Comparative Interpretation Based on the Timbuktu Chronicles and the Epic of Askia Mohammed."

Susan Kennedy, associate director, University Health Services, has received the John H. Hargleroad II Award to recognize her contributions and dedicated service to the Mid-Atlantic-College Health Association.

Sridhar Komarneni, professor of clay mineralogy, presented an invited talk on "Microscopic Model Intercalated Clay Nanocomposites" at the Porus Materials International Forum for Materials Engineers in Sanjo-Tsubame, Japan. He also gave invited lectures on "Sol-gel Nanocomposites" at the Tokyo Institute of Technology and on "Cation Exchange in Calcium Silicates" at Asahi Chemical Company.

Kenneth K. Kuo, distinguished professor of mechanical engineering and director of the High Pressure Combustion Laboratory, has received a Certificate of Recognition from the Joint Army, Navy, NASA, and Air Force Combustion Subcommittee for outstanding contributions to combustion technology and service.

Andrew S. Lau, associate professor of engineering at Penn State Harrisburg, has received a \$30,000 grant from the Pennsylvania Energy Development Authority to construct a solar carport which will charge batteries used in solar- and electric-powered vehicles.

Tom Leskovich, associate professor of general engineering at the Penn State Beaver Campus, has been named a member of the Institute of Electrical and Electronics Engineers (IEEE) Surge Protective Devices Committee.

Robert Lima, professor of Spanish and comparative literature and fellow of the Institute for the Arts and Humanistic Studies, received a grant from the Generalitat de Valencia, Spain, to attend the II International Festival of Medieval Theater and Music in Elbe in conjunction with the special presentation of "El Misteri d'Elx," a mystery play which celebrates in music and words the Assumption of Mary into Heaven.

Carlo G. Pantano, professor of materials science and engineering, participated in the opening ceremony of the XVII International Congress on Glass in Madrid, Spain, where he presented the 1992 Weyl Award - jointly sponsored by the ICG and Penn State - to Yuichi Watanabe of Nagasaki University. The award honors the memory of Woldemar Weyl, Evan Pugh research professor of physical science.

Nancy Pedersen, senior research associate in the College of Health and Human Development, presented a keynote lecture on "Genetics of Personality" at the Sixth European Conference on Personality.

Gerard R. Potter, director of Shaver's Creek Environmental Center, has received the 1992 Outstanding Environmental Educator Award from the Pennsylvania Alliance for Environmental Education.

C. Channa Reddy, distinguished professor of veterinary science, has been elected a Fellow of the American Association for the Advancement of Science.

Rustum Roy, Evan Pugh professor of the solid state, has been named the recipient of the 1993 American Chemical Society Award in the Chemistry of Materials.

Michael A. Snyer, professor of human development, has been named chair of the publications committee of the Gerontological Society of America.

Patrick Terenzi, professor of higher education, has received the "Award for Significant Research" from the College Student Personnel Association of New York State.

Thomas Watschke, professor of turfgrass science, has been named an honorary member of the American Sod Producers' Association. He also received a recognition plaque for his contributions to the association and the turfgrass sod production industry.

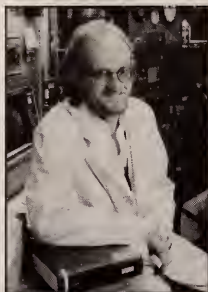
Paul J. Wuest, professor of plant pathology, led a technology transfer workshop in mushroom compost for Ontario mushroom farmers in Oshawa, Ontario. He also was elected to the executive committee of the International Society for Mushroom Sciences (ISMS) and participated in an ISMS executive committee meeting in Cambridge, England.



# Focus on Research

Intercom  
January 14, 1993

## WARNING: Don't clean that engine!



Thomas A. Litzinger

*A team of engineering researchers is systematically studying gasoline components and carbonaceous deposits on intake valves and combustion chambers to help manufacturers meet new environmental regulations.*

Cleanliness may be next to godliness for people, but for some internal combustion engines, a few carbon deposits might spell cleaner air.

A team of Penn State researchers is systematically studying gasoline components and carbonaceous deposits on intake valves and combustion chambers to help manufacturers meet new environmental regulations.

"The Clean Air Act of 1990 limits the presence of total aromatics and benzene in reformulated fuels and requires the presence of oxygen containing species," said Thomas A. Litzinger, associate professor of mechanical engineering. "Before fuels can be formulated to reduce emissions, we need to know what is producing them."

Using iso-octane as a base fuel, Dr. Litzinger and Stanley Bower, graduate student, mechanical engineering and Edward Ritchey undergraduate, mechanical engineering, are testing toluene - an aromatic compound, di-isobutylene - an olefin and MTBE - an ether.

Automotive fuel is a combination of hundreds of different organic compounds, including paraffins, olefins and aromatics. Ethanol, methanol, ethers or other oxygen containing compounds are added to improve knock resistance and reduce carbon monoxide emissions.

Using a 1982, 2-liter General Motors engine, the researchers are testing the fuel combinations at five different loads and engine speeds to simulate real driving conditions. They monitor carbon monoxide and oxides of nitrogen on line, and use gas chromatography to identify and quantify the hydrocarbon emissions in the exhaust.

Together, oxides of nitrogen and hydrocarbon emissions play a key role in the formation of photochemical smog.

"Toluene in the fuel increased oxides of nitrogen, while the other additives had no significant effect on these pollutants," Dr. Litzinger said. "Toluene and di-

isobutylene reduced total unburned hydrocarbons, but MTBE had no effect on total unburned hydrocarbons."

Simply reducing the total unburned hydrocarbons does not necessarily reduce the production of very photochemically reactive compounds such as butadiene, tri-methyl aromatics and formaldehyde. The researchers are also investigating the different types of chemical species in the hydrocarbon emissions.

The researchers found that burning toluene produced benzene, an aromatic, and contributed to the production of methane, ethane and acetylene in the exhaust. The fuel mixture with MTBE produced iso-butylene and methane, while the addition of di-isobutylene produced the same emissions as burning only iso-octane.

"While we are running our study, Texaco is testing full boiling range fuels and obtaining fairly similar results," said Dr. Litzinger. Texaco is funding the Penn State study.

A first set of tests has been completed and a second set is scheduled before the researchers begin a complimentary study of the effect of deposits on unburned hydrocarbon engine emissions. Initial studies will be run on a clean engine to establish the baseline for various fuel combinations and then a special fuel, designed to produce engine deposits, will be burned in the engine.

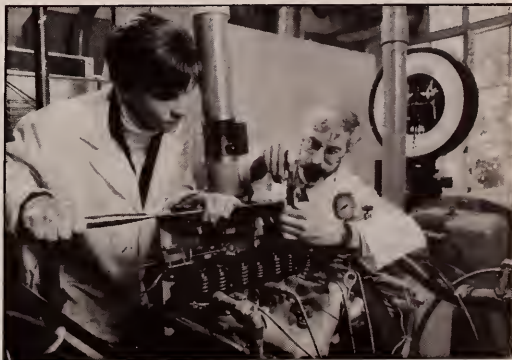
Engine deposits consist of carbon, hydrogen, oxygen and small amounts of metals. Research by other investigators has shown that large amounts of deposits make emissions worse but small amounts sometimes lower emissions.

"The deposits may act in a variety of ways to affect combustion and exhaust emissions," said Dr. Litzinger. "They may change air motion in the engine, insulate the combustion chamber walls and increase combustion temperature, or the deposits may have a catalytic effect."

Once the engine is thoroughly dirty, the researchers will remove the valves and replace them with clean ones, to test the effect of a dirty combustion chamber. They will then clean the engine and replace the original dirty valves, to test the effects of carbon laden valves.

While automobile owners rarely clean their engines, manufacturers do provide fuel additives that either prevent formation of deposits or help to remove them. These manufacturers would like to know the role the deposits play in the production of engine emissions as they develop fuels to lower emissions.

— Andrea Elyse Messer



Graduate student Stanley Bower (left) and senior Edward Ritchey work on a 2-liter GM engine.

Photos: James Collins

FACULTY / STAFF ALERTS

New AIDS policy

The University has adopted a new policy on HIV/AIDS.

The policy, "AD-43—Statement on HIV/AIDS," adheres to guidelines recommended by the Center for Disease Control of the U.S. Public Health Service and the American College Health Association.

On the basis of these guidelines, students, faculty, and staff with HIV infection/AIDS may continue to study and/or work in an unrestricted setting so long as they are able to meet the requirements of their academic programs and/or their employment.

The new policy provides for the University HIV Task Force, chaired by the vice president for student services, to review individual or institutional concerns or problems on a case-by-case basis.

The task force will regularly update the policy as required, based on new knowledge and/or state or federal recommendations. It also may be called upon to make recommendations for dealing with special or out-of-the-ordinary problems that may arise.

The new policy was developed in response to a survey conducted by University Health Services (UHS) in Fall, 1991. Survey questions focused on broadly defined policy issues, human rights protection for HIV-infected people, services and procedures in the workplace, information and prevention efforts.

According to the survey results, 48 percent of respondents expressly asked for the University guidelines. Other findings included:

—One percent of academic departments, 48 percent of administrative units and 30 percent of non-University Park respondents conduct non-credit educational programs for staff and/or students.

—At University Park and other campuses, 103 academic courses in 15 different departments are listed as containing some information regarding HIV and AIDS.

Twenty-eight percent of academic departments, 37 percent of service units and 90 percent of non-University Park Campus respondents identified problems and/or unmet needs. A common need was for information sharing, networking and resource coordination.

Under the new policy, UHS at University Park and The Milton S. HERSHEY Medical Center (HMC) will continue to provide HIV antibody testing, upon a student's request, to students at risk for HIV infection.

UHS and HMC also provide: appro-

priate pre- and post-test counseling, primary care medical services for HIV-infected students in the same manner services are provided for students with any chronic disease, and referrals to specialty care or to alternative primary care providers as needed.

Faculty and staff who know they are HIV positive are encouraged to seek care from a knowledgeable physician. Assistance and information can be provided by UHS to help faculty and staff access appropriate services. Questions or concerns arising in areas other than medical, such as employee and workplace situations, should be referred to the Office of Human Resources.

The policy highlights the need for education, noting that the most immediate, primary response of the University to HIV infection must be educational programs.

"These programs will strive to maintain awareness and to provide appropriate information to prevent further spread of the disease," it states. "Such programs will focus on prevention, the only truly effective strategy for elimination of this disease."

Also outlined in the policy are protocols/procedures to minimize risk in specific programs and activities. These include:

—Students in nursing and medical programs need specific training and education regarding transmission and prevention of blood-borne diseases such as HIV.

—Laboratories in which the handling of blood and other infectious secretions is done must have specific procedures and protocols to assure minimum risk to faculty, staff, students, and patients.

—There will be many special situations in which units/departments will need specific procedures and protocols which relate to issues of blood-borne disease. Any such department/unit should generate and implement such procedures subject to the review and approval of the University HIV Task Force or, if relating to research or instruction, the University Biosafety Committee.

Crime awareness

Campus safety/security policies and crime statistics will be published in campus/student newspapers or distributed on each campus the second Wednesday in February. Copies of the policies and crime statistics are available at any time from University Police Services or the Director of Business Services.

Health promotion program

The Office of Human Resources has

announced spring health promotion programs for faculty/staff at the University Park campus in the "Healthy Handcups" brochures which were mailed in early January.

Programs listed include Weight Watchers AT WORK, My New Weight of Life, Wellness Wake-Up, Fresh Start Smoking Cessation, Freedom From Smoking Clinic and the Enlightening Lunches brown-bag wellness series. Also listed are several self-help programs, including 21 Days to Stop Smoking, In Control (video Freedom From Smoking Program) and Freedom From Smoking for You and Your Baby.

Costs, schedules and registration forms for the programs are contained in the brochures.

To obtain a copy of the brochure or additional information about the programs, call the Faculty/Staff Health Promotion office at (814) 865-3085.

Travel Advisory Committee appointed

The University Faculty Senate has appointed an eight-member Travel Advisory Committee chaired by Philip A. Klein, professor of economics, to monitor the newly-instituted University travel management program.

The committee will advise on ways to publicize the developing travel program within the University, and will receive and resolve unresolved complaints from both University travelers and from those who administer the programs.

Members of the joint faculty/administrative committee include: Richard L. Crowley, University purchasing officer; Donn E. Frazier, deputy controller; Sabih I. Hayek, distinguished professor of engineering mechanics; William H. McKinnon, associate vice president for business and operations; Barbara A. Shaw, assistant professor of engineering science and mechanics; Charles H. Strauss, professor of forest economics; James Wagner, vice president for business and operations; and Dr. Klein.

The Travel Advisory Committee, which began meeting this month, will take suggestions from faculty or staff on how to improve the program or concerns in implementing the program. Suggestions should be sent to Philip A. Klein, 516 Kern Building.

Courses for faculty and staff

The Office of Human Resources is offering the following courses through the HRD Center. Please call the center at 865-8216 for registration information.

Career Planning A course to assist

you in developing your career goals. Meets from 8:30 to 11:45 a.m. for two Mondays, Feb. 1 and 8; cost: none.

Affirmative Action Learn about Affirmative Action at Penn State as well as what to do if you witness what you believe to be discrimination in the workplace. Meets from 1:30 to 4:30 p.m. Monday, Feb. 1; cost: none.

Writing Skills Covers the basic skills of writing; increases your awareness of the importance and functions of the communication process; and helps you develop improved writing skills. Meets every Thursday from 9:30 a.m. to noon for eight weeks beginning Feb. 4; cost: \$95.00.

Performance Appraisal Covers the objectives of performance appraisal at Penn State; the appraisal form, suggestions for observing and recording performances, and performance appraisal interview techniques. Meets from 1:15 to 4 p.m. Thursday, Feb. 4, or Feb. 18; cost: none.

Homophobia/Heterosexism Provides accurate information about homosexuality and how our attitudes about sexual orientation influence our work lives. Meets from 1:15 to 4 p.m. Monday, Feb. 8; cost: none.

Making Successful Presentations Helps participants develop an effective personal speaking style for clear, dynamic public speaking. Meets from 1:15 to 4 p.m. Monday, Feb. 15; cost: \$55.00.

TDA Minimum

Effective immediately, the minimum contribution required to participate in a tax deferred annuity (TDA) has been reduced to \$25 per month. It had been \$40. The average for employees paid biweekly is \$12 per pay period. Participants also may designate either a percent of salary or a flat dollar contribution amount up to the maximum permitted by law.

TDAs, also known as TSAs or SRAs, are retirement savings instruments available under Internal Revenue Code 403(b). Tax deferred annuities provide regular, full-time faculty and staff members the option of setting aside some of current income before it is taxed to use later, usually after retirement, when the federal tax rate is more favorable.

TDAs are available from Equitable Life Assurance Society, Teachers Life Assurance Society, Teachers Insurance Annuity Association-College Retirement Equities Fund (TIAA-CREF) and the Variable Annuity Life Insurance Company (VALIC). Additional information may be obtained by contacting the Employee Benefits Division, (814) 865-1475, your human resource representative or local campus business office.

Pennsylvania Transportation Institute plans workshops on research administration

The Pennsylvania Transportation Institute at University Park is offering a workshop series on research administration. The purpose of the series is to disseminate information pertinent to research administration at Penn State to administrative aides, clerical staff, and other research personnel. The workshop sessions will use the knowledge and experience of advanced research administrators.

The scheduled workshops are:  
● "An Introduction: The Who's and What's of Research Administration," 9 - 11:30 a.m. Thursday,

Feb. 18, 101 Kern Graduate Building. This workshop provides a basic overview of the research environment, including answering the questions of who does what job, where to go for information, and what are the appropriate procedures. There is an emphasis on the research administrator's role in the process.

● "Proposals: The Where's and How's of Research Proposals," 9 - 11:30 a.m. Thursday, March 25, 101 Kern. This workshop explains the basic mechanics of proposal preparation, timeliness for production,

and methods for accurately estimating specific information.

There is a \$25 fee for each of the workshops. To register, or for more information, contact Linda Cartwright, in 118 Barber Building II.

Additional workshops are planned for fall 1993 and may include information on awards, advanced research administration and specialized topics.

APPOINTMENTS

University Health Services has appointed another physician to its General Medicine-Outpatient Department Harold "Skip" Bassett II has been named to provide primary health care for University students.

Dr. Bassett, formerly in private practice in St. Johnsbury, Vt., completed his medical education at the University of Osteopathic Medicine and Health Science, Des Moines, Iowa. His residency in family practice was undertaken at Williamsport. In addition to being an osteopathic physician, he also is a registered physical therapist.



Harold Bassett II

Bruce H. Hamory, associate professor of infectious diseases and University Hospital's epidemiologist at The Milton S. HERSHEY Medical Center, has been named assistant dean for clinical affairs.

In his new role, Dr. Hamory will be involved in the physician aspects of risk management, the resident/staff liaison, length of stay studies and will work with G. Victor Rohrer, associate dean for clinical affairs.



Bruce H. Hamory

A 1971 graduate of the Baylor College of Medicine, he served a residency in medicine at Vanderbilt University Hospital and a fellowship in virology and epidemiology at the University of Virginia Hospital.

Bohdan T. Kulakowski, professor of mechanical engineering, has been appointed interim director of the Pennsylvania Transportation Institute (PTI).

PTI investigators currently are developing Intelligent Vehicle Highway Systems (including highways with equipment and sensors to provide early warning of environment and weather conditions as well as on-board vehicle safety equipment), better asphalt, rural transportation systems, and techniques to minimize highway surface damage.

Dr. Kulakowski, also director of Penn State's Bus Testing Center, served as interim director of PTI from 1991 to 1992. He is an internationally recognized expert in automatic control systems, computer simulation and control of industrial processes, systems dynamics, vehicle/road dynamic interaction and transportation systems.

A U.S. citizen, he first came to Penn State as a senior Fulbright scholar in the Department of Mechanical Engineering in 1979. He was appointed to the faculty in 1982.

Dr. Kulakowski has received Penn State Engineering Teaching Awards, and the Mechanical Engineering Department Head's Outstanding Faculty Award for outstanding teaching, scholarship and service. He has published extensively, and is co-author of *Dynamic Modeling and Control of Engineering Systems*, a popular upper-level college text book.

Dr. Kulakowski received his Ph.D. from the Institute of Applied Cybernetics, Polish Academy of Sciences, Warsaw, Poland, and an M.S. Eng. Electronics from

Warsaw Technical University.

Ann Ouyang, has been appointed chief of the Division of Gastroenterology and professor of medicine at The Milton S. HERSHEY Medical Center.

Dr. Ouyang, who was associate professor of medicine at the University of Pennsylvania School of Medicine, earned her B.S. and M.B.B.S. from Guy's Hospital Medical School, University of London. She was house surgeon at Guy's Hospital and house physician at St. Olave's Hospital, both in London. She was a medicine intern and later a medicine resident at Pennsylvania Hospital, Philadelphia. She also completed a fellowship in gastroenterology at the University of Pennsylvania School of Medicine.

In 1978, Dr. Ouyang was certified by the American Board of Internal Medicine, and in 1981, she became a diplomate of the subspecialty board of gastroenterology.

Dr. Ouyang serves on the admissions and nominating committees of the American Gastroenterological Association. She also has served as medical secretary to the Subsidiary Board of Gastroenterology of the American Board of Internal Medicine; as an ad hoc and regular member of the GMA2 Study Section for the National Institutes of Diabetes and Digestive Diseases, and on the American Motility Society Steering Committee. She also is a fellow in the American College of Physicians.



Ann Ouyang

Vincent D. Pellegrini Jr. has been named the Michael and Myrtle Baker professor and chair of the Department of Orthopaedics at The Milton S. HERSHEY Medical Center.

Dr. Pellegrini has been at the University of Rochester where he was associate professor of orthopaedics. As chair of orthopaedics, he will be responsible for the development of patient care programs, undergraduate and graduate education and musculoskeletal research programs.

Dr. Pellegrini holds an M.D. from Dartmouth Medical School and a B.A. from Dartmouth College. He performed a residency in surgery at the University of Connecticut, Hartford Hospital, and a residency in orthopaedics at University of Rochester, Strong Memorial Hospital. He also did post-doctoral fellowships in surgery of the hand and upper extremity at the University of Rochester and the Mayo Clinic Foundation, Rochester, Minnesota, from 1984 until 1985.

His clinical interests include osteoarthritis, joint replacement, upper extremity, thromboembolic disease and heterotopic ossification.

He is a member of a number of scientific, honorary and professional societies, including the American Medical Association, Orthopaedic Research Society, American Academy of Orthopaedic Surgeons, American Society for Surgery of the Hand, Eastern Orthopaedic Association and Association for Arthritis Hip and Knee Surgery. He currently serves on the editorial board of the *Journal of Arthroplasty*, and previously served on the editorial boards of *Contemporary Orthopaedics* and the *Yearbook of Hand Surgery*.

Changes in management of the Nittany Lion Inn have been announced by James M. Wagner, vice president for business and operations.

—Richard A. Benefield, general manager, has retired, effective Dec. 31.

—James W. Purdum, manager of operations, has been named general manager.

"Dick Benefield has played a major role in the recent expansion and renovation of the Inn and he will be sorely

missed," Mr. Wagner said. "Dick didn't just work on buildings. More importantly, he developed a new team spirit in the Inn and recruited talented new leadership."

"We're confident that with the new facilities and the new leadership of Jim Purdum, the Inn will continue to provide outstanding services to the University community."

Mr. Benefield, former general manager of the renovated Hotel Magee in Bloomsburg, joined the University staff in 1988 as a special assistant to Steve Garban, senior vice president for operations and treasurer.

In addition to directing the Inn renovation and expansion, he assisted in overall food service activities at Penn State.

The Inn expansion project, which was completed early this year, includes 132 new guest rooms, a 500-person Alumni Ballroom, a 3,500-square-foot Board Room, several small conference rooms, four intimate, private dining rooms, a 90-person lounge, and a modern health club. Future plans call for major renovation work on the existing guest rooms.

Mr. Benefield, named a Distinguished Alumnus in 1983 by Penn State, made the Hotel Magee one of the most prestigious eating places in the world, earning a membership in the exclusive World Famous Restaurants Association.

His accomplishments include election to the Hospitality Hall of Fame in 1976, the Lawson A. Odde Award of the American Hotel and Motel Association in 1977 and the Pennsylvania Award for Travel Excellence in 1978. He also is a past president of the Pennsylvania Hotel-Motor Inn Association and founder, past-president and director of the Penn State Hotel and Restaurant Society.

Mr. Purdum, a 1977 Penn State graduate with a bachelor's degree in food service and housing administration, joined the Hotel Magee as a management trainee in 1977 and held a number of positions, including kitchen manager, executive food manager, food and beverage director and manager. He served as vice president from 1985 to 1988 when he became manager of Mastoro's Restaurant and Diner in Bordentown, N.J.

He joined the Nittany Lion Inn staff in 1989 as food and beverage manager/director of catering. Under his leadership, a new menu has been developed and food service improved. Also, as part of the expansion program, a entirely new kitchen has been developed to support state-of-the-art food preparation. His responsibilities increased to include supervision of all day-to-day operational activities.

Mr. Purdum is a member of the National Restaurant Association, Pennsylvania Restaurant Association, and the Penn State Hotel and Restaurant Society.

John Kehoe has been named assistant director for operations for the National Center on Postsecondary Teaching, Learning, and Assessment, a federally-funded research center in the Center for the Study of Higher Education.

Prior to joining the University staff, Dr. Kehoe developed capital budgeting initiatives at the University of Pennsylvania as executive assistant to the senior vice president. He has been employed in university finance for the last 12 years, and previously worked in education research, serving as a project supervisor for the Pennsylvania Department of Education. He received his doctorate in education administration from Penn State.

NCTLA is the only research and dissemination center funded by the U.S. Department of Education that is devoted exclusively to postsecondary policies and practices. It is a five-year, \$5.9 million program made up of a consortium of six universities.



James W. Purdum



Richard A. Benefield

AWARDS

## Assistant professor receives major research award

Cynthia A. Stifter, assistant professor of human development, has received a major research development award from the National Institutes of Health.

She was selected for a First Independent Research Support and Transition Award. The five-year FIRST award provides support for new scientists who show promise of innovative contributions to biomedical research. It allows them to develop their research capabilities and demonstrate the merit of their ideas.

Dr. Stifter will use the award to learn more about the causes and consequences of infant colic — prolonged, inconsolable crying in an otherwise healthy infant. Colic has been a source of confusion for parents and pediatricians alike; little is known about what causes it or whether it affects the infant's later development.

In earlier studies, Dr. Stifter found evidence to support a common theory: that colic may be related to gastrointestinal pain. In her new work, she will use a non-invasive technique called an electrogram to study colicky infants and will ask parents to keep diaries of the infants' behaviors.

She also will follow both colicky and normal infants for 10 months, using laboratory procedures and parental ratings to see whether a baby's temperament influences the infant's behavior even after the infant outgrows the colic.

## 1993 Outstanding Young Manufacturing Engineer Award goes to assistant professor

Catherine M. Harmonosky, assistant professor of industrial engineering, has been selected to receive the 1993 Outstanding Young Manufacturing Engineer Award from the Society of Manufacturing Engineers.



Catherine M. Harmonosky

Dr. Harmonosky is one of 11 young manufacturing engineering professionals recognized for "significant achievements and leadership in the field of manufacturing engineering as a young engineer." The award will be presented at a major SME event this year.

Her research focuses on manufacturing and production systems analysis with an emphasis in integrated control methodology development and innovative application of existing analytical techniques, particularly simulation.

Dr. Harmonosky, who joined the University faculty in 1987, holds a bachelor's degree from Penn State and master's and Ph.D. degrees from Purdue.

# Astronomer earns highest honor from Poland for his discovery

The University astronomer who found three distant planets outside our solar system has been awarded his homeland's highest honor, the Prize of the Foundation for Polish Science.

*"This award is part of a larger effort by the Polish government to support, encourage, and strengthen the scientific disciplines in Poland, in spite of extremely difficult economic conditions and an unstable political climate in Eastern Europe."*

Aleksander Wolszczan  
professor of astronomy and  
astrophysics

Aleksander Wolszczan, professor of astronomy and astrophysics, accepted the honor during a ceremony at the Royal Castle in Warsaw. Established in March 1992, the award has already become the most prestigious for Polish scientists.

"This award is part of a larger effort by the Polish government to support, encourage, and strengthen the scientific disciplines in Poland, in spite of extremely difficult economic conditions and an unstable political climate in Eastern Europe," Dr. Wolszczan explains.

The foundation now funds scientific research in much the same way as the U.S. National Science Foundation, in addition to sponsoring the annual prize. As the first recipient of the award for outstanding achievement in the "exact sciences," Dr. Wolszczan was cited for his discovery of the "first extra

solar planetary system."

A specialist in radio astrophysics, Dr. Wolszczan received a masters degree in astronomy in 1969 and doctorate in physics in 1975, both from Nicholas Copernicus University in Poland. He held faculty positions at Nicholas Copernicus University until 1979, when he joined the Polish Academy of Sciences as associate professor at the Copernicus Astronomical Center.

During 1973-1974 and 1982-1983 he held fellowships at the Max-Planck Institute for Radio Astronomy in Germany, and in 1983 he joined the research staff of the Arecibo Observatory in Puerto Rico, which is operated by Cornell University. He was a visiting professor at Princeton University before joining the Penn State faculty as professor of astronomy and astrophysics in fall 1992.

## PENNTAP Program recognized with first place award

The Pennsylvania Technical Assistance Program (PENNTAP) has been awarded first place for technology transfer in a national competition for the technical assistance it provided to a new business that offers its customers a technologically-advanced process for improving the performance of cutting tools. The annual competition for university assistance to businesses is sponsored by the National Association of Management and Technical Assistance Centers.

The project that won the first place award for PENNTAP involved helping NU-BIT, Inc. of New Kensington prove the effectiveness of a process that uses cryogenic technology to improve the performance of cutting tools. The effort started when the Southwest Pennsylvania Economic Development Corporation Business

Incubator Network referred NU-BIT to Frank Konchar, PENNTAP southwest region technical specialist, who then visited the company to discuss their specific problems and needs and developed a plan of action that involved various Penn State organizations.

Hal Willis, PENNTAP technical librarian, conducted a technical literature search which provided answers to the question of application benefits derived from the cryogenic processing of tool steels. With the assistance of Steve McGregor from the Industrial Research Office, Paul Cohen, professor of industrial engineering, was identified as an expert resource who could assist the company.

Working with Bob Booz of the Ben Franklin Technology Center of Central and Northern Pennsylvania

located at Penn State, funding was secured to have Dr. Cohen and his graduate students conduct laboratory tests on the comparative performance of cryogenically and non-cryogenically processed cutting tools. Subsequently, additional funds were secured from the Ben Franklin Technology Center of Western Pennsylvania to have NU-BIT conduct field testing.

"This project is an example of a synergistic and team approach by various Penn State organizations in providing a timely, unified and seamless Penn State response to NU-BIT's request for assistance," Jack Gido, PENNTAP director, said. "Additionally, there may be an opportunity to provide training assistance sometime in the future."

### 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, Michael G. Abdalla, assistant professor of engineering; Joseph B. Simcic, assistant professor of exercise and sport science, and Edith Saxon White, bookstore clerk, all at Penn State Worthington Scranton Campus; and Robert Eisenbraun, assistant professor of exercise and sport science in the College of Health and Human Development.

## Department head sought for Ag Economics and Rural Sociology

Applications and nominations are being sought for the position of head of the Department of Agricultural Economics and Rural Sociology in the College of Agricultural Sciences.

Qualifications include a Ph.D. in agricultural economics, rural sociology, or a closely related field, such as economics or sociology, plus the following:

A significant period of professional and/or academic experience with a strong record of scholarly achievement; understanding and appreciation of the mission of the land-grant university system; experience or substantial knowledge of research, extension, and teaching functions; potential for administrative and program leadership in a multi-disciplinary, multi-function setting, and ability to work effectively with academic, agricultural, governmental, community, and disciplinary organizations.

Applications will be accepted until March 15, or until a suitable candidate has been found. Submit complete resume with documentation and references to Kenneth P. Wilkinson, chair, Advisory Search Committee, Department of Agricultural Economics and Rural Sociology, 111 C Armsby Building, University Park,

### OBITUARIES

George H. Berggren, retired associate professor of agriculture and home economics extension, died Nov. 11 at the age of 88.

He received his bachelor's degree in agronomy from the University of Minnesota in 1933.

Prior to joining the University staff in 1945, he worked for the U.S. Department of Agriculture in Minnesota for two years as a buyer of seed grain from drought areas. He also served 11 years as a county agricultural agent in Minnesota.

Mr. Berggren was a nationally known authority in chemical weed control practices and conducted extensive work in the area of weed control in new forage seedlings, which resulted in better stands, higher yields and improved cost and forage quality.

He retired from Penn State in 1969.

Charles W. Chamberlin, fuel and car wash attendant, Business Services, since Oct. 3, 1975, died Nov. 27 at the age of 50.

Charles M. Corcellus, mechanic A, Housing and Food Services, since Sept. 18, 1965, died Nov. 23 at the age of 53.

David C. Hogan Jr., retired assistant vice president of fiscal affairs and assistant treasurer, died Nov. 29. He was 79.

A graduate of Penn State with a bachelor of arts degree in accounting, he became a certified public accountant in 1947.

At Penn State, he was appointed burstar in 1949 and director of revenue accounting in 1967. He retired in 1973.

Alma M. Homan, food service worker, Housing and Food Services, from Jan. 19, 1977, until her retirement Aug. 20, 1987, died Nov. 10 at the age of 67.

Floyd A. Hummel Jr., professor emeritus of ceramic science, died Nov. 26 at the age of 77.

A graduate of the University of Illinois, he received a master of science degree from Penn State in 1948. He joined the University faculty in 1945 and retired April 1, 1979. During his tenure, he served as both acting head and head of the Department of Ceramic Science from 1953-55, in 1961, and from 1967-69.

Before coming to Penn State, he worked as a ceramic chemist at Onondaga Pottery Co., Syracuse, NY, and Corning Glass Works in Corning, PA., and Corning, NY.

The author of 134 scientific publications and a textbook, *Phase Equilibria in Ceramic Systems*, he received numerous awards, including three from the American Ceramic Society.

Mr. Hummel was a charter member of the Basic Science Division of the American Ceramic Society and served as chairman in 1982.

Memorial contributions may be made to the Floyd A. Hummel Jr. Scholarship Fund in Material Science and Engineering, College of Earth and Mineral Science, University Park.

Sylvia F. Meeker, secretary, College of Agricultural Sciences, from Dec. 1, 1973, until her retirement Jan. 1, 1970, died Oct. 15. She was 87.

Richard E. Shope, baker-utility, Housing and Food Services, from Oct. 1, 1964, until his retirement on disability March 26, 1992, died Nov. 23 at the age of 52.

Mahlon A. Tressler, service helper, Nitany Lion Inn, from Oct. 1, 1957, until his retirement Jan. 1, 1983, died Nov. 22 at the age of 64.

Benjamin A. Whisler, professor emeritus of civil engineering, died Dec. 3. He was 83.

A graduate of Iowa State University, he received his master of science degree from Iowa State University in sanitary engineering in 1932 and his doctorate in sanitary engineering from Harvard University in 1946.

Prior to joining the University faculty, he served as an instructor, assistant professor and associate professor of civil engineering at Iowa State.

He was head of the Civil Engineering Department at Penn State from 1946 until his retirement in 1972.

Dr. Whisler was a member of the American Society of Civil Engineers, American Academy of Environmental Engineers, American Society for Engineering, American Water Works Association, Pennsylvania Sewage and Industrial Waste Association, and the American Association for the Advancement of Science.

### PRIVATE GIVING

#### College of Engineering

## Foundation gives \$50,000 to support undergraduate education

The Borg-Warner Foundation has given \$50,000 to the College of Engineering to support undergraduate engineering curriculum reform.

"Borg-Warner's gift will support classroom initiatives aimed toward better preparing engineers for the demands of our rapidly changing technological society," David N. Wormley, dean of the college, said.

The gift underwrites industrial partnership activities in the Leonhard Center for Innovation and Enhancement of Engineering Education that impact the curriculum and better prepare young engineers for the work-

place. The Leonhard Center is an education initiative working to integrate hands-on design activities into all levels of engineering undergraduate curriculum and delivery.

The Borg-Warner Foundation is affiliated with Borg-Warner Corp., a privately held, diversified company with operations principally in two industries: automotive components and protective services.

Automotive components and systems are manufactured at 22 facilities worldwide. Security guard, alarm, armored transport and courier services are provided under the Wells Fargo, Burns, and Pony Express brand names. The Chicago-based company employs 86,000 people and had total sales of nearly \$2.4 billion in 1991.

*"The gift will support classroom initiatives aimed toward better preparing engineers for the demands of our rapidly-changing technological society."*

David N. Wormley  
dean of the college

## Educational Partnership Program gets \$100,000 boost

The GE Foundation, Fairfield, Conn., has given Penn State Erie, The Behrend College, \$100,000 to expand its Penn State Erie Educational Partnership Program (PEPP) into two Erie high schools.

Penn State-Behrend's PEPP was begun in 1991 to provide after-school tutoring, mentoring, and enrichment activities for "at risk" students in two Erie middle schools. GE, along with several local foundations, provided initial support for the program.

"At risk" students are defined as those who are likely to drop out of school because of academic, social, or family problems.

PEPP students meet after school three days a week to be tutored by students from Penn State-Behrend, Cannon University and Erie's East High School. Volunteer mentors from GE Erie Operations and National Fuel lead study modules on topics including business, science, engineering, journalism, and politics.

## Special academic programs receive funding from Exxon USA

Exxon USA has made a grant of \$41,000 to 11 Penn State departments for special academic programs and equipment.

The gift will be distributed as follows:

Chemical Engineering, \$9,500; Mechanical Engineering, \$3,500; Petroleum Engineering, \$3,500; Electrical Engineering, \$1,000; Civil Engineering, \$1,500; Mining Engineering, \$1,500; Accounting, \$4,500; Business Administration, \$10,000; Chemistry, \$2,000; Minority Engineering, \$2,000; Career Development and Placement, \$2,000.

Past Exxon grants have supported scholarships, field trips, visiting speakers, equipment purchases, student and faculty travel to professional meetings, and many other academic projects designed to attract quality students. Exxon makes the awards to schools that offer degrees in educational fields where the company recruits for employees.

Since 1987, Exxon, its affiliates, employees and education foundation have given more than \$980,000 to Penn State.

## Highlight on Undergraduate Education

You must be kidding!

# Instructor makes physics class fun

Most teachers do not encourage students to throw eggs, but a Penn State instructor supplies the eggs when teaching his introductory physics class.

"One nice thing about physics is it describes natural phenomenon, so I can use these phenomenon to show the students physics," says Jonathan Hall, instructor in physics at Penn State Erie, The Behrend College.

Hence the eggs. Mr. Hall gets students to hold a bed sheet vertically in the front of the room and has a student throw a raw egg at the sheet as hard as he or she can.

"It's funny, but even if I have the star pitcher on a team do the throwing, they usually miss at least once and the egg hits the wall," he says.

That's okay, because when the egg hits the wall it smashes to pieces, but when the egg hits the sheet it remains intact. Students then are asked why, if we assume both eggs were thrown at the same speed, one broke and one did not break.

This leads to a discussion of impulse and momentum and the egg example allows Mr. Hall to explain that when the egg hits the wall the large force of the impact is felt almost instantaneously, but when the egg hits the sheet, the same force is spread over a longer period of time, which creates a force at any instant too small to break the egg.

This also explains why people who fall out of planes or windows and hit the ground die, and those who land in bushes or haystacks survive. And it underlines the need for automobile manufacturers to pad dashboards.

"My philosophy in teaching 'The Science of Physics' is to focus on the relationships between quantities rather than on the relationships between numbers. I would rather teach with non-science students understanding how physics evolved out of natural philosophy and how things work, than their ability to do complicated mathematics."

"We have a number of courses on campus that teach traditional, conventionally oriented physics if that's what is needed for a particular discipline. I would rather not teach an easy-math, watered down version of classical physics."

His classes are very well subscribed with over 100 students in his lecture. This may be because at least once in every lecture he plans a demonstration.

Besides throwing eggs, Mr. Hall pulls a tablecloth out from underneath objects on a table without disturbing the objects or he lies on a bed of nails and has someone hit a board on his stomach with a hammer.

"The bed of nails demonstration allows me to explain why curators of museums with wooden floors do not flinch when a 300-pound man walks in, but quake when a 95-pound woman in stiletto heels walks across the floor," he says.



Jonathan Hall demonstrates the effects of pressure to his daughter, Maria, using an ordinary soda bottle and plastic toy.



He explains that with the 95-pound woman all her weight is concentrated into the tiny point on the heel of her shoe. The man's weight, while larger, is spread out across the sizeable sole and heel of the man's shoe. Stiletto heels provide incredibly small points per square inch even for a petite woman.

"Sometimes students enter college and want to study premed, biology or engineering, but are not prepared to take the calculus-based physics required in those majors," he says. "They can take my class and sit back and understand physics explained in words. Then, when they have the math, they can tackle classical physics mathematically."

Mr. Hall is careful to ensure that his students not only understand the physics of why the moon does not fall into the earth, even though gravity is constantly pulling on it, but also that they can explain the principles to others.

Most of his students have not taken high school physics. Nationwide, while a good portion of high school students take chemistry, only 20 percent take physics and most who take physics already expect to study science or engineering.

"My hope is that after taking the course, my stu-

dents are more apt to read science and critically think about what they read, and that they determine the facts, the hypothesis and the validity of the report or experiment."

Mr. Hall covers many topics in physics from sound, music and light to motion, inertia and gravity. But just because he teaches a class for non-scientists does not mean he leaves out the theoretical aspects.

"For some students, the practical stuff is interesting, but there are always a few who are fascinated with quantum physics, subatomic particles or relativity," he says.

At the end of the semester, the class explores simple relativity, scaling and other topics the class finds of interest.

—Andrea Elyse Messer

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January 14, 1993  
Vol. 22, No. 16

PENNSTATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

January 21, 1993

Volume 22, Number 17

## Task force appointed to enhance graduate education endeavors

A Task Force on Graduate Education has been formed by the Graduate Council and the Office of the President to promote and strengthen Penn State's graduate education endeavors.

"Penn State's reputation as a national research institution, coupled with increasing research funding, is providing expanding opportunities for graduate students in all disciplines," David A. Shirley, senior vice president for research and dean of The Graduate School, said. "These students are critical to our nation's future and are destined to provide leadership in their professions and academic disciplines.

"Even though we are in a period of fiscal restraint, now is the time to take the necessary steps in providing continued support for Penn State's leadership role in graduate education."

The specific charge to the Task Force is to: — Examine and define the distinctive missions of graduate education in the University system and provide recommendations for further enrichment of those missions.

— Explore the connection between graduate

and undergraduate education at Penn State and provide recommendations for further enrichment of that relationship.

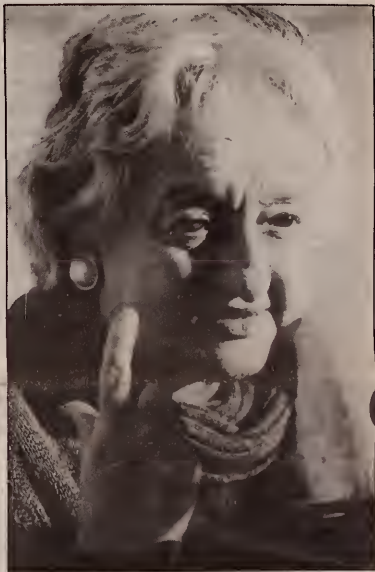
— Explore the climate for graduate and other post-baccalaureate education at Penn State and provide recommendations to make that climate increasingly attractive to all graduate students, including women, minorities, international, and non-traditional students such as those who are place-bound or who do not seek a degree.

— Examine mechanisms currently in place at Penn State for recruiting graduate students of the highest caliber and provide recommendations to strengthen those mechanisms appropriately.

— Consider the financial support (and cost constraints) available to graduate students and provide recommendations designed to increase the balance between fiscal support and fiscal constraints.

The chair of the task force is Barbara Shannon, associate dean, The Graduate School.

See "Task force" on Page 3



"Sex, Lies and Politics" was the topic of a lecture presented Jan. 12 at University Park by Betty Friedan, (above) pioneer feminist and author of several books. See story on back page to learn about her work involving Penn State people.

Photo: Greg Grieco

## Graduate degrees awarded reach all-time high

The academic year 1991-92 saw Penn State top its overall record in graduate degrees awarded and increase its number of Ph.D recipients by 18 percent over the previous record year.

"One important purpose of a major research institution like Penn State is to educate students to carry on the research process," David A. Shirley, senior vice president for research and dean of The Graduate School, said.

"Penn State's continued emphasis on teaching, combined with increasing research funding, is providing expanding opportunities for graduate students in all disciplines and allowing us to graduate more Ph.Ds."

Penn State awarded 2,066 graduate degrees, including 1,508 master's degrees and 558 doctoral

See "Degrees" on Page 3

## Elsewhere in Higher Education

**Editor's Note:** Budget cuts and other fiscal constraints are key concerns among higher education institutions in the Association of American Universities, of which Penn State is a member. The following excerpts are from *The Monitor*, a monthly sample of news stories from AAU universities, compiled by the Office of University Relations at Penn State.

■ Ohio State University has lost 1,233 positions in the current academic year as the result of the series of cuts in state support that began in January 1991. Janet C. Achterman, University controller, said the figure represents positions that were both filled and unfilled. There were 130 employees laid off. The jobs eliminated included 243 faculty, 47 lecturer, 404 staff and 539 student positions.

■ To offset this year's \$255 million deficit, the University of California must cut 3,500 jobs,

increase student fees by 20 percent, and slash spending for library books, supplies, equipment and building maintenance. Under a plan approved by the UC Regents, workforce cuts would close the gap on about 60 percent of the state funding shortfall. About 2,000 jobs, not directly related to teaching, would be cut this academic year. In addition, funding for 1,500 teaching-related positions will be cut.

■ The University of Chicago's 1993-94 budget will be austere, with guidelines to include modest salary increases, zero growth in supplies and services, and targeted cuts in specific areas. University officials said the cost-containment efforts that were implemented in the 1992-93 budget should help to hold this year's deficit to roughly the same \$4.6 million level experienced last year in the central academic budget.

■ Stanford University's projected budget deficit for the next three years has been adjusted downward from \$125 million to \$110 million.

■ Columbia University president Michael Sovern says an additional \$26 million in increased revenues and spending cuts will have to be found to meet budget goals for 1993-94. He said that in 1992-93, after deducting increases in fringe benefits, academic spending will grow 4 percent, while central administration spending will decrease by 3 percent.

■ After more than 10 successive years of requesting double-digit increases in its state appropriation, the University of Illinois will ask for a 4.9 percent hike in state funding for its annual operating budget that becomes effective in July.

See "Elsewhere" on Page 5

# Department of Education grant to help recruit underrepresented and low-income students

The University has received a \$420,000 federal grant to recruit first-generation, low-income college students and students from groups underrepresented in graduate education to pursue doctoral degrees and careers in college teaching.

The three-year U.S. Department of Education grant has been combined with McNair Post-Baccalaureate Achievement Program. The goals of the program are to identify, recruit and retain qualified college students from as early as their sophomore year for doctoral study and to interest the students in college teaching careers.

Starting fall 1993, 20 Penn State first-generation and low-income individuals or students from underrepresented groups will be recruited into the program annually. In addition to receiving tutoring and counseling, the students will be teamed with faculty research advisers and mentors and will participate in seminars on study skills, time management, graduate admissions and financial aid.

Other seminar topics include social and cultural adjustment in graduate education, library research proficiency, computer applications, data analysis, oral communication, technical writing and research methodology. During the summers, students will

participate in eight-week research internships with their faculty research advisers.

"Nationally, only 37 percent of youth from families with income below \$18,000 attend college, and minorities earned only 9.4 percent of all doctorates

decades from 650 in 1975 to 320 in 1990. As a major research and teaching institution, our objective at Penn State was to precisely design the McNair Scholars project to address these shortages."

"It is an honor to be recognized by the federal government as an educational partner in preparing more low-income, first-generation college students and individuals from groups underrepresented in graduate education for doctoral study," C. Gregory Knight, vice provost and dean of undergraduate education, said.

A major component of the program is the eight-week summer internship. The students will receive hands-on research experience in the University's state-of-the-arts research facilities. At the end of the summer experience, students will formally defend their research findings and publish their conclusions.

"We believe that this comprehensive program will help students develop all the skills required to be successful at the doctoral level," Mr. Wray said.

Established in 1986 by the U.S. Department of Education, the McNair Grant program was named for the late astronaut and Challenger space shuttle crew member Ronald E. McNair.

**"Nationally, only 37 percent of youth from families with income below \$18,000 attend college, and minorities earned only 9.4 percent of all doctorates awarded to U.S. citizens."**

— Howard E. Wray III  
assistant dean for undergraduate education/  
academic assistance programs

awarded to U.S. citizens according to 1990 statistics," Howard E. Wray III, assistant dean for undergraduate education/academic assistance programs, said. "While women earned 43.3 percent of all doctorates in 1990, only 20 percent were in physical science and 12.7 percent in engineering.

"Other statistics show a devastating 51 percent drop in the number of doctorates earned by African/Black-American males during the past two

## DIVERSITY BRIEFS

### "Humor in the Workplace" is topic of next women's meeting Jan. 26

Jerry Zolten, assistant professor of speech communications and American studies at the Penn State Altoona Campus, will discuss "Humor in the Workplace" at the Jan. 26 meeting of Professional Women at Penn State.

The brown bag lunch meeting will begin at 11:45 a.m. in the Frizzell Room of the Eisenhower Chapel, with an opportunity for informal networking. The presentation will begin at 12:10 p.m.

Professional Women at Penn State is a grassroots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn Staters. The group welcomes attendance by both male and female persons in all job classifications at the University.

### Visiting minority scholar at Allentown Campus Jan. 29

Jose Sanchez Lugo, will be a visiting minority scholar at the Allentown Campus on Friday, Jan. 29. It is his second visit to Allentown.

Professor Sanchez is a professor of education at the University of Sacred Heart, Puerto Rico. He will visit two English classes and meet informally with students, faculty, and staff.

According to John V. Cooney, campus executive officer, "the intent of the Visiting Minority Scholars Program is to bring scholars to the campus and to give students, faculty, and staff the opportunity to discuss perceptions of cultural diversity with the scholar."

The program is supported by funds from the Equal Opportunity Program Committee.

## DIVERSITY OPPORTUNITIES CALENDAR

### Thursday, Jan. 21

Penn State McKeesport Campus, 1:30 p.m. BUE Auditorium. Lecture titled, "Strengthening the African American Family: Strategies That Work," by Huberta Jackson-Lowman, Pittsburgh Mayor's Commission on the Family director.

Lesbian, Gay, Bisexual Faculty/Staff and Allies, 5:30 to 7 p.m., Nittany Lion Inn Fireside Room. Winter reception.

### Saturday, Jan. 23

Center for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. Promotion and Tenure is the second in a series of faculty development workshops this semester. Blannie Bowen, professor of agricultural

and extension education will be the speaker. To make reservations contact Leah Witzig at 863-1663. All junior faculty welcome to participate.

### Wednesday, Jan. 27

College of Education, 7 to 8:30 p.m., 101 Chambers Building. A presentation on civil rights by Reggie Brooks.

### Through Jan. 30

Center for Minority Graduate Opportunities and Faculty Development and the Penn State Bookstore, daily, Kern Graduate Commons. Display of books about the Rev. Dr. Martin Luther King Jr.

## OBITUARIES

Otis E. Lancaster, former associate dean of the College of Engineering and Westinghouse professor of engineering education, died Nov. 17 at the age of 83.

He received a bachelor of science degree in education from Central Missouri State Teachers College in 1929, a master of arts degree from the University of Missouri in 1934, and a doctorate in mathematics from Harvard University in 1937. He graduated as a aeronautical engineer from the California Institute of Technology in 1945.

Prior to joining the University faculty in 1957, he worked as the director of the economics and statistics division of the U.S. Post Office in Washington, D.C.

Dr. Lancaster directed engineering programs for the improvement of teaching both locally and nationally. After his retirement from Penn State in 1975, he was chief of the mathematics and statistics section of the Interstate Commerce Commission in Washington, D.C., until 1980. From 1981 to 1984, he taught at Nova University in Davie, Fla. He also taught operations research for Boston University in Karlsruhe, Germany, in 1983. He retired from consulting in 1990.

Dr. Lancaster was a member and fellow of the American Society for Engineering Education and its president from 1977 to 1978. He also was a member of the American Society of Mechanical Engineers and a member and associate fellow of the American Institute of Aeronautics and Astronautics.

He was listed in *Who's Who in America, Engineers of Distinction, American Men of Science and Outstanding Educators of America.*

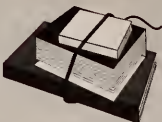
Harold R. Bock, retired senior extension agent in the College of Agricultural Sciences, died Dec. 3 at the age of 59.

He joined the University staff in 1962 and served as Clearfield County extension director from 1975 until his retirement Jan. 1, 1990.

Mr. Bock was a member of the Pennsylvania and National Association of County Agricultural Agents, and Epsilon Sigma Phi and Delta Theta Sigma fraternities.



# BOOK



# SHELF

Jeffrey L. Funk, assistant professor of business administration, is the author of *The Teamwork Advantage: An Inside Look at Japanese Product and Technology*, published by Productivity Press.

"In the near future, Japanese firms will most likely increase their market shares in the computer, telecommunications, semiconductor, instrument, aircraft and machinery industries," Dr. Funk says. "At the same time, they should continue to have trouble advancing in the chemical, plastics and pharmaceutical industries, among others."

Dr. Funk's observations in the book are based on his year-long stint developing software in Japan as a Westinghouse exchange engineer at Mitsubishi's Fukuoka works. While in Japan, he visited more than 50 Japanese factories and conducted more than 200 interviews at Mitsubishi as background for the book.

In addition to observations concerning Japanese technological trends, *The Teamwork Advantage* includes:

—A model based on four integrated elements of Japanese corporate culture that support cross-organizational cooperation: product orientation,

visible management, oral communication, and extensive training.

—A focus on how Japanese firms implement key strategies such as cycle time reduction, software standardization, research and development project selection, modular design and incremental improvement.

—An assessment of the institutional barriers to teamwork in the United States and an eight-point prescription for overcoming them.

Carol Gay, professor of molecular and cell biology and poultry science, is co-editor with Barry R. Rifkin, New York University College of Dentistry, of *Biology and Physiology of the Osteoclast*.

Published by CRC Press, Inc., the book is a comprehensive volume on the subject of osteoclast biology and includes some of the most up-to-date work of internationally known scientists in the field. The volume covers a wide variety of areas involving bone metabolism, including cell and molecular biology, dental science, endocrinology, hematology, orthopedics, and rheumatology.

Current information on such subjects as the regulation of osteoclast development and function, ontogeny of the osteoclast, experimental systems for studying osteoclast biology, and osteoporosis serves as a reliable source for researchers.

*The Women of Whitechapel and Jack the Ripper*, the 13th novel by Paul West, professor of English, has won the 1992 Grand Prix Halperine-Kaminsky for the best foreign book published in French (Les Editions Rivages).

His next novel, *Love's Mansion*, published by Random House, has been chosen for the Best 25 books of 1992 by *The Village Voice Literary Supplement* and is among the Notable Books of the Year chosen by the *New York Times Book Review*.

## Task force Continued from Page 1

Members are: Micala Amato, associate professor of visual arts; Robert Bernholt, professor of biochemistry; Nancy Chine, dean, University Libraries; Cyllene Cricklow, graduate student, industrial organization; Thomas D'Alfonso, graduate student, agricultural engineering; Thomas A. Hale, professor of African/French/comparative literature; L.R. Hetteche, director, Applied Research Laboratory; Derril Kerick, professor of geosciences; Robert Lesniak, associate professor of education; Michael M. Reischman, associate dean for research and graduate studies, College of Engineering; and Elliot Vessel, professor of pharmacology/genetics/medicine.

## Degrees Continued from Page 1

degrees in 1991-92. The 588 Ph.D.s awarded surpassed the previous record of 474 reached in both 1971-72 and 1990-91. The previous record for overall degrees awarded was 2,015 in 1971-72. The record for master's degrees is 1,882, attained in 1973-74.

"Penn State's graduate enrollment increased steadily during the 1980s and still did not keep pace with the tremendous increase in research and development funding," Dr. Shirley noted. "We plan to catch up to that level during the '90s."

Opportunities for graduate study will continue to expand, and Dr. Shirley believes that the liberal arts will be an area of increasing opportunities for funded graduate study in the future.

"I would like to see graduate enrollment in all colleges increase so that Penn State reaches the 24 percent population that is the average in the Big Ten."

University Park graduate students make up only 16.7 percent of the student body. The University's total graduate enrollment is 10,441 as of fall 1992.

## UPCOMING MICROCOMPUTER COURSES

The Wagner Training Center is offering 40 different microcomputer courses during Spring semester. To register for one of these courses, fill out a registration form found in the HRDC Course Schedule and submit it to the Office of Human Resources. Course descriptions and costs can also be found in the HRDC Course Schedule. For additional information, call 814-865-3410.

### Administrative Computing

● EMC2/TAO 1/22 (IBM)	9 a.m. - noon
2/8 (Mac)	9 a.m. - noon
2/24 (IBM)	9 a.m. - noon
3/24 (IBM)	9 a.m. - noon
● RMDS 1/20	9 a.m. - noon
1/27	1-4 p.m.
2/5	1-4 p.m.
4/7	9 a.m. - noon
● Intro to IBIS 1/21 (IBM)	1-4 p.m.
2/8 (Mac)	1-4 p.m.
3/3 (IBM)	1-4 p.m.
4/7 (IBM)	1-4 p.m.
● Intro to ISIS 2/17 (Mac)	9 a.m. - noon
3/3 (IBM)	9 a.m. - noon
● ISIS AIDA 3/11	8 a.m. - 10 a.m.
AIDAR	10 a.m. - noon
AIDAE-OER	1-3 p.m.
AIDAE-RPM	3-5 p.m.
AIDAE-IAR	3-5 p.m.
● BIS AIDA 2/5	9 a.m. - noon

● WAGC 1/25	1-4 p.m.
3/29	1-4 p.m.
4/22	9 a.m. - noon

● IBIS Approval Paths 3/24	1-5 p.m.
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### IBM Topics

● Intro to DOS 2/26	9 a.m. - 4 p.m.
3/26	9 a.m. - 4 p.m.
4/23	9 a.m. - 4 p.m.
● Intermediate DOS 4/9	8 a.m. - noon
● Intro to Windows 2/22	9 a.m. - 4 p.m.
3/9	9 a.m. - 4 p.m.
4/16	9 a.m. - 4 p.m.
● Intermediate Windows 3/31	1-5 p.m.
● WordPerfect Complete (DOS) 1/25, 27 & 29	8 a.m. - noon
3/15, 17 & 19	8 a.m. - noon
● WordPerfect for Windows 3/8, 10 & 12	8 a.m. - noon

● Advanced WordPerfect 4/19	9 a.m. - 4 p.m.
● Word for Windows 2/8, 10 & 12	8 a.m. - noon
3/15, 17 & 19	1-5 p.m.
● Intro to Excel 2/3	9 a.m. - 4 p.m.
3/22	9 a.m. - 4 p.m.
● Intermediate Excel 4/14	8 a.m. - noon
● Intro to Lotus 1/26 & 28	1-4 p.m.
4/6 & 8	1-4 p.m.
● Intermediate Lotus 1-2-3 4/12	9 a.m. - 4 p.m.

● dBASE IV Complete 3/8, 10 & 12	1-5 p.m.
● Intro to Harvard Graphics 2/24	1-5 p.m.
● PageMaker Complete 2/15, 17 & 19	1-5 p.m.
● Advanced PageMaker 4/5	9 a.m. - 4 p.m.
● Newsletter Clinic 4/14	1-5 p.m.

### Macintosh Topics

● Intro to Mac 1/27	8 a.m. - noon
2/19	1-5 p.m.

● Word Complete 2/22, 24 & 26	8 a.m. - noon
4/5, 7 & 9	8 a.m. - noon
● Excel Complete 2/22, 24 & 26	1-5 p.m.
● Macros in Excel 3/15, 17 & 19	8 a.m. - noon
● Graphics in Excel 3/24	1-5 p.m.
● Integrating Word and Excel 4/21	9 a.m. - 4 p.m.
● Intro to FileMaker Pro 2/17	1-5 p.m.
● Freehand Complete 3/22, 24 & 26	8 a.m. - noon
● Intro to Powerpoint 3/22	1-5 p.m.
● Intro to MacDraw 3/1	1-5 p.m.
● PageMaker Complete 3/29, 31 & 4/2	1-5 p.m.
● Advanced PageMaker 4/12	9 a.m. - 4 p.m.
● Newsletter Clinic 5/4	1-5 p.m.
● Macromind Director 4/27 & 29	9 a.m. - 4 p.m.
● Intro to Claris CAD 4/26, 28 & 30	1-5 p.m.

### Saxophone quartet

The Penn State Saxophone Quartet will perform in concert at 12:10 p.m. Thursday, Jan. 21, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include "Variations" by Pierre Max Dubois and a selection based on the Pink Panther theme.

The concert is free to the public.

### Architect to lecture

Sylvester Damianos, architect with Damianos, Brown, and Andrews, Inc., Pittsburgh, Pa., will present a lecture at 5 p.m. Friday, Jan. 22, in Room 108 Wartik Building at University Park. The lecture is part of the lecture series, "Fartners in Architecture," sponsored by the Department of Architecture.

The lecture is free to the public.

### Dance theatre

Peninsula Dance Theatre, Central Pennsylvania's professional modern repertory company, will present "Beyond Bounds," its home season winter concert at 8 p.m. Saturday, Jan. 23, in Eisenhower Auditorium at University Park.

Two dances by New York choreographers will be premiered at the performance, along with three very popular pieces from the current repertory. A reception at the Nittany Lion Inn will follow the performance.

A new work commissioned by Pennsylvania Dance Theatre, "Feast," by internationally acclaimed choreographer Colin Connor, is set to a 1683 score by Henry Purcell.

David Dorfman will be working with the company setting "Safe Distances," a dance symbolizing the establishment and dissolution of relationships within a group.

Current repertory pieces on the program include Kevin Magee's "People Will Say We're In Love," Doug Varone's "Feet of Clay," and Beth Corning's "A Hand of Bridge."

Tickets for performance are \$15/adults and \$10/children (\$1 discount for advance sales) and are available by calling (614) 863-0255.

### Organ recital

June Miller, associate professor of music, will present an organ recital at 8 p.m. Monday, Jan. 25, in the School of Music Recital Hall at University Park. Accompanying her in this performance for flute and organ will be Eleanor Armstrong, assistant professor of music. The program includes Moonyeen

Albrecht's "Four Psalms for Flute and Organ." Also included in the program is a jazz setting of Psalm 136 by contemporary German composer Heinz Werner Zimmerman, as well as works by Reger and Vieme. Three Schubler chorale preludes and the "Tocatta, Adagio, and Fugue" by J. S. Bach will conclude the performance. The recital is free to the public.

### Evening of music

The School of Music will present a concert, "An Evening of English and American Music," at 8 p.m. Wednesday, Jan. 27, in the School of Music Recital Hall at University Park. The concert is being held in conjunction with the conference at Penn State of the English-Speaking Union of the United States.

The program will feature musical settings of poetic works by William Shakespeare, W. H. Auden, Robert Herrick, Percy Bysshe Shelley, Samuel Daniel and James Stephens. The composers of these works include Benjamin Britten, Ralph Vaughan Williams, Edward German, William Schuman, William Byrd, Edwin Fislinger, Samuel Barber, Francis Pilkington, John Bennett

and Henry Purcell.

Highlighting the program will be the presumed world-premiere performance of Sir Arthur Sullivan's "Captain Armine's Song." Sullivan, noted for his collaborations with Sir William S. Gilbert, appropriated the lyrics of the song from a poem by Benjamin Disraeli, British statesman and writer. The piece is believed to have never been performed.

Soprano Suzanne Roy, associate professor of music, and pianist Marylene Dosse, professor of music, will perform the Sullivan piece. The concert is free to the public.

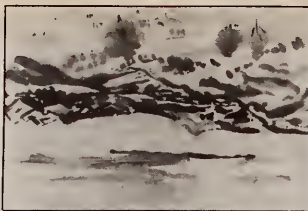
### 'Simple Gifts'

"Simple Gifts," an acoustic music trio, will present a free concert in the lobby of Kem Graduate Building at University Park at noon Thursday, Jan. 28.

"Simple Gifts" performs a unique blend of folk, classical, and Renaissance music, played on violin, recorders, guitar, banjo, mandolin, psaltery, and bass viol. The group's varied repertoire includes energetic fiddle tunes, delicate Celtic airs, stately Elizabethan dances, and well-known classical works.

### Music lecture

Paul Haack, head of the Music Therapy Division of the School of Music at the University of Minnesota, will present a lecture, "Misunderstandings about Music," at 2:30 p.m. Friday, Jan. 29, in the



"Winter Scene — Sangre de Cristo." is part of Edna Raphael's work now on exhibit in the East Corridor Gallery of Pattee Library at University Park.

School of Music Recital Hall at University Park. The lecture is the third in the School of Music's "Music Today: 1992-93" lecture series.

A prolific researcher, Professor Haack presently is engaged in a study concerning the acquisition of music listening skills in the young student. He also is coordinator of the Project 2,000 Grant for the Minnesota New Music Teacher Induction/Mentoring/Planning Program.

The lecture is free to the public.

### Rachmaninoff concert

Pianist Cecilia Dunooyer and Tim Shafer will perform in concert at 8 p.m. Wednesday, Feb. 3, in Schwab Auditorium at University Park. Sponsored by the Center for the Performing Arts, the concert will commemorate the 50th anniversary of Russian pianist Sergei Rachmaninoff's visit to Penn State.

Only two months from his death, Rachmaninoff made one of his last concert appearances in Schwab Auditorium on Feb. 3, 1943.

Mr. Dunooyer will perform Rachmaninoff's Prelude in G-sharp Minor, Op. 32; Etude-Tableau in B Minor, Op. 39, No. 4; Etude-Tableau in E-flat Minor, Op. 39, No. 5 and Chopin's Sonata in B Minor, Op. 58. Mr. Shafer will perform Rachmaninoff's Preludes, Op. 23.

Tickets for the concert are free and available to the public. For information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (614) 863-0255.

### Alvin Ailey

The internationally acclaimed Alvin Ailey American Dance Theatre will perform at 8 p.m. Thursday, Feb. 4, in Eisenhower Auditorium at University Park.

The Ailey company, now under the artistic direction of choreographer Judith Jamison, has performed for an estimated 15 million people on six continents since its inception in 1958.

As part of the free lecture series, Artistic Viewpoints, a company member will discuss the performance at 7 p.m. Thursday, Feb. 4, in the Eisenhower Auditorium Greenroom.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (614) 863-0255.

## PROMOTIONS

### Staff

Toni A. Aikens to staff assistant VI at Beaver Campus. Carolyn S. Gackenbach, to marketing information coordinator in Computer and Information Systems-Computation Center.

Denise M. Gibo, to senior research technician at the Hershey Medical Center. Kathryn L. Gilliland, to research technician at the Hershey Medical Center. Lisa C. Guiser, to staff assistant VI in Undergraduate Programs.

Frank A. Hannick, to senior research technician at the Hershey Medical Center.

Lisa A. Harrington, to administrative assistant I at Penn State Erie, The Behrend College.

Deborah A. Hitchcock, to director of Marketing Committee in Undergraduate Programs.

Charlene A. Hockman, to staff assistant V in Science. Susan L. Howe, to dining hall worker A in Housing and Food Services.

Margaret A. Johnstonbaugh, to staff assistant VIII in Research and Graduate School.

Jody L. Josefik, to staff assistant VI in the Applied Research Laboratory.

Stacey L. Kelley, to staff assistant VI in Science.

Denise I. King, to staff assistant VI in Intercollegiate Athletics.

Carol A. Klah, to staff assistant V at the Hershey Medical Center.

Kevin B. Lee, to human resources trainer in University Libraries.

Mary L. McHose, to staff assistant VII at the Hershey Medical Center.

Pamela P. Myers, to staff assistant VIII at the Hershey Medical Center.

Mary A. Norman, to clinical head nurse at the Hershey Medical Center.

David F. Ryan, to program coordinator in Engineering.

Darla A. Shehy, to staff nurse/nurse clinician at the Hershey Medical Center.

Lisa M. Skripek, to staff assistant V in Undergraduate Programs.

Molly B. Thompson, to senior technical specialist at the Hershey Medical Center.

Kevin J. Trostle, to staff assistant VI in Research and Graduate School.

Anthony E. Vallalla, to assistant building superintendent in Student Services.

Jean E. Vary, to research compliance coordinator at the Hershey Medical Center.

David A. Wellman, to coordinator of Computer and Information Systems at Mont Alto Campus.

# University Park Calendar

Jan. 21 — Jan. 31

## SPECIAL EVENTS

**Thursday, Jan. 21**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel, Penn State Saxophone Quartet.  
Prestley Lectures in Chemistry, 12:15 p.m., S-5 Comrod Lab., Robert S. Langer on "Inhibition of Neovascularization in Cancer and Other Diseases."  
"Martin Luther King, Jr.: A Man of Peace," 3:30-4:30 p.m., International Lounge, 222 Boucke.  
Lesbian, Gay, Bisexual Faculty/Staff and Allies, 5:30-7 p.m., Nittany Lion Inn Fireside Room. Winter reception.  
**Friday, Jan. 22**  
Board of Trustees meets.  
Faculty Women's Club, 1:30-3:30 p.m., Nittany Lion Inn Colonial Room. Mid-Winter English High Tea.  
Geography Coffee Hour, 3:30 p.m., 319 Walker, Laura Pulido, Calif. State Univ.-Fullerton, on "Ethnicity, Culture and the New Environmentalism."  
"Partners in Architecture," 5 p.m., 108 Wark, Architect Sylvester Damiano.  
Shaver's Creek, 7-8:30 p.m., Ecology & Conservation in the Galapagos Islands. Call 863-2000.  
School of Music, 8-9 p.m., Recital Hall, Jury recognition recital.  
**Saturday, Jan. 23**  
Center for Nittany Faculty Development, 9 a.m.-noon, 114 Kern. Blainie Bowen on "Promotion and Tenure." Reservations: Leah Witzig, 863-1663.  
Shaver's Creek, 2-3:30 p.m., Insects in Their Snuggles. Call 863-2000.  
"Beyond Bounds," Pennsylvania Dance Theatre's winter concert, 8 p.m., Eisenhower Auditorium.  
**Sunday, Jan. 24**  
Center for the Performing Arts, 2 p.m., tour of Eisenhower Aud. Registration, 863-0388.  
Shaver's Creek, 2-4 p.m., Birds Coping With Winter's Deep Freeze. Call 863-2000.  
**Monday, Jan. 25**  
School of Music, 8 p.m., Recital Hall, June Miller, organ.  
**Tuesday, Jan. 26**  
Professional Women at Penn State, 11:45 a.m., presentation at 12:10 p.m., Frizzell Room of Eisenhower Chapel. Jerry Zolten on "Humor in the Workplace."  
Adult Learner Services, 6 p.m., 329 Boucke.  
Dr. Nwansiri on "Financial Aid Filing."  
German Films, 8 p.m., 108 Wark, "Bremer Freiheit" (Bremer Freedom, 1972).  
**Wednesday, Jan. 27**  
Penn State Chapter of the National Assoc. of Science Writers luncheon roundtable discussion, 11:45 a.m., 313 Kern Bldg. Eric Barron on "Climate Models: What Do They Mean? Who Can We Trust?"  
Adult Learner Services, 12:30-1:30 p.m., 329 Boucke Bldg. Dr. Nwansiri on "Financial Aid Filing."  
Public lecture, 8 p.m., 102 Forum. Frances Fox Piven on "Poverty, Inequality and School of Music, 8 p.m., Recital Hall. An Evening of English and American Music.  
**Thursday, Jan. 28**  
Simple Gifts, acoustic music trio. Free concert, Kern lobby, noon.  
Lawrence Grossberg on "What Did You Learn

in School Today and What Can Cultural Studies Do About It?," 7 p.m., 112 Chambers.  
**Friday, Jan. 29**  
School of Music, 2:30 p.m., Recital Hall. Paul Haack on "Misunderstandings about Music."  
**Saturday, Jan. 30**

4 p.m., 106 Mitchell Building.  
**Tuesday, Jan. 26**  
Plant Pathology Seminar, 1-2:15 p.m., 112 Buckholz Laboratory. Patricia Sanders on "Sources of Variation in Pythium Aphanidematum: A Homothallic Zoospore Oocyte."  
Materials Science, 4 p.m., 26 Mineral



Pennsylvania Dance Theatre will present "Beyond Bounds," at 8 p.m. Saturday, Jan. 23, in Eisenhower Auditorium at University Park.

Shaver's Creek, 1:30-4 p.m., Native American Series-I. Bow and arrow making and fire knapping. Call 863-2000.  
Enrichment Event, Center for the Performing Arts Lecture, 7 p.m., Eisenhower Greenroom. Hannibal Peterson, American composer.  
Kronos Quartet premieres "How It Happens," 8 p.m., Eisenhower Aud.

## PUBLIC RADIO

**WPSU-FM 91.1**  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Saturday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m.  
Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

## CONFERENCES

**Saturday, Jan. 23**  
Greek Leadership Conference. Keller Bldg.  
Rick Fung, chair; Bill Steiner, coordinator.  
**Monday, Jan. 25**  
Family-Based Mental Health Convention, Nittany Lion Inn. Contact: James Purdum.  
PA Rural Electric, Jan. 25-Jan. 28, Nittany Lion Inn. Contact: James Purdum.  
Sound Computer Company, Nittany Lion Inn. Contact: James Purdum.  
**Wednesday, Jan. 27**  
Leadership Training Program, Jan. 27-Feb. 2, Keller Bldg., William Hartman, chair; Eric Loop, coordinator.

## SEMINARS

**Thursday, Jan. 21**  
Adult Education, noon, Charlotte Bldg. conference room. Stephen Wright, Independent Learning, on "Faculty Perspectives in Distance Education."  
James Connor on "The Normal Aging Brain,"

Science. David A. Shirley on "Surface Atomic Structures from Energy Dependent Photo-Electron Diffraction."  
**Wednesday, Jan. 27**  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. Robert E. Newnham (MRL) on "Smart Materials."  
**Thursday, Jan. 28**  
Adult Education, noon, Charlotte Bldg. conference room. Barbara Shannon, on "Issues Associated with Creating a Positive Atmosphere for Adult Students at Penn State."  
Gerontology Center, 4 p.m., 106 Mitchell Building. Richard Tenser on "Assessment of Brain Disorder."

## EXHIBITS

**Chambers Gallery:**  
Paintings and ceramics by undergraduate students, through Feb. 26.  
**Pattee Library**  
East Raphael's exhibit, "Mountains of New Mexico, 1961-1992, Autumn, Winter, Spring," through Feb. 15.  
**Lending Services Gallery:**  
"Rapunzel," an exhibition of watercolor and ink illustrations by Pamela Sue Ansrnan, through Feb. 15.  
**Main Lobby:**  
United Steelworkers of America Archive exhibit, through Jan. 29.  
**Zoller Gallery**  
"Photo National," national juried exhibition of contemporary photographs, through Feb. 28.

## TIPS

**Information Penn State**  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

## Eleven fellowships awarded for spring

The Institute for the Arts and Humanistic Studies has awarded 11 Faculty Research Fellowships for spring semester. The recipients are:

Micaela Amato, associate professor of art and women's studies in the School of Visual Arts, to document video footage Sphero and Arabic residents of Majorca for a multimedia room installation.

Maureen Carr, professor of music, to study Stravinsky's sketches for "Persephone."

Ivy Corfis, associate professor of Spanish, to work on a critical edition of "Celestina comentada."

David Dipietro, assistant professor of art in the School of Visual Arts at the Penn State Fayette Campus, to complete two series of drawings, 12 pieces each.

Robert Edwards, professor of English and comparative literature, to examine the sources and context of Chaucer's "Franklin's Tale."

Gerald Lang, associate professor of art in the School of Visual Arts, to do research for a book, "The Painted Photograph."

Kang Liu, assistant professor of comparative literature and Chinese, to do research for a book on aesthetics and cultural Marxism in contemporary China.

Jerrod Maddox, professor of art in the School of Visual Arts, to create a folio of prints and texts.

Stephen Porter, professor of art in the School of Visual Arts, to create a new series of stainless steel sculptures designed on a 3-D CAD system.

Judith Stephens, associate professor of speech communication at the Penn State Schuylkill Campus, to do research for an anthology of anti-lynch plays.

Suzanne Stulman, professor of English and American studies at the Penn State Ogoniz Campus, to edit Thomas Wolfe's unpublished manuscript, "The Party at Jack's."

## Elsewhere

Continued from Page 1

■ Facing the loss of all state appropriations, the University of Pennsylvania plans for a leaner future. A major component of the University's plan for coping with the loss of revenue is the elimination of 600 positions. While officials hope to achieve this primarily through attrition, retirement and reassignments, selected lay-offs may be necessary.

■ The Tulane University Board of Administrators has unanimously approved comprehensive recommendations to yield \$18 million in revenues and expenditures to head off a projected shortfall in the university's 1993-94 operating budget. Major points of the approved plan include a 3 percent tuition increase next year and a staff workforce reduction of about 280 that university officials predict will be achieved primarily through a voluntary separation program.

## Lunchtime science discussion

Eric Barron, professor of geosciences and director of the Earth System Science Center, will lead a lunchtime roundtable discussion sponsored by the Penn State Chapter of the National Association of Science Writers at 11:45 a.m. Jan. 27, in Room 313 Kern Building at University Park.

Dr. Barron will lead a discussion of "Climate Models: What Do They Mean? Who Can We Trust?"

The Penn State Chapter of the National Association of Science Writers brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale, 865-2407.

## Open house

The Eberly College of Science will hold its annual open house for prospective students and their parents Saturday, Feb. 13, from 10 a.m. to 4 p.m. in the HUB ballroom at University Park.

Approximately 2,000 high-school seniors offered admission to the Eberly College of Science at University Park and the Commonwealth Campuses for 1993 summer and fall semesters have been invited to tour University Park, visit laboratories, and speak with advisers, professors, and current science students.

Representatives from each of the college's departments and programs, financial aid officers, and staff members from Housing and Food Services also will be on hand to answer questions.

## Award nominations

Nominations may still be made for the Howard B. Palmer Faculty Mentoring Award which was established by the Graduate School to honor and recognize outstanding achievement by a faculty member who effectively guides and nurtures the collegial and professional development of junior faculty.

Nominations may be submitted by faculty, staff and administrators and must be received by Jan. 27. A committee appointed by the dean of the Graduate School with the assistance of the senior faculty mentor in the Office for Minority Faculty Development will select the recipient who will receive an allocation of \$500 and recognition at the awards Convocation in March.

Nomination forms are available from 114 Kern Graduate Building. For more information contact Deborah Atwater, 114 Kern, telephone (814) 865-1663.

## Child care booklet

The spring 1993 edition of *State College Area Child Care Facilities* is now available. Updated each semester, this publication includes information on about 30 different facilities which provide childcare in the immediate vicinity of the University Park campus of Penn State.

Information includes hours of service, ages served, cost, enrollment size, and services provided. Also included are a check list to help parents evaluate potential child care facilities and a

map to show the relative location of the facilities for new members of the community. For parents needing only occasional child care, a babysitters list also is available.

Both publications, produced by the Graduate Student Association (GSA), are available free of charge. GSA, located in 111B Kern Building at University Park, is open Monday through Friday from 9 a.m. to 5 p.m. (including noon to 1 p.m.), 865-4211.

## Graduate Research Exhibition

The eight annual Graduate Research Exhibition will be held March 19-20 in the HUB Ballroom at University Park. Monetary awards in the form of budget support will total \$10,000.

Applications for the exhibition are now available in departmental offices, offices of the directors of academic affairs at campuses, or in 114 Kern Graduate Building, University Park. To enter, graduate students do not need to have finished the research for their master's degree or doctorate. Any sound, scholarly research or creative activity can be entered, as long as a well-defined part of the project is complete.

The Graduate Research Exhibition is open to all University graduate students. For more information, contact the associate dean in any college or the associate dean of the Graduate School, 114 Kern Graduate Building, University Park, and request to see the Graduate Research Exhibition video.

## Faculty Women's Club

The Faculty Women's Club Mid-Winter English High Tea will honor Trustees' wives and husbands from 1:30-3:30 p.m. Friday, Jan. 22, in the Nittany Lion Inn Colonial Room.

Grace Holdeman, widow of a former Board of Trustee member, will speak on "Penn State in the Golden-Olden Days."

## Open house

PENNTAP and the Centre County Industrial Development Corporation will sponsor a one-day Open House on Tuesday, Feb. 9, for University faculty and staff to tour the "Shop With A Future" which is a small automated machine shop in a semi-trailer. It is operated by the Industrial Modernization Center based in Montoursville.

The shop will be parked at the Barbara Building I on North University Drive at University Park, and will be available exclusively for faculty and staff to tour any time between 9 a.m. and 4 p.m.

## Campus maps

A new supply of campus maps is available from University Relations, 309 Old Main. The cost per map is 15 cents, with a 70-map minimum required (\$10.50). IDTs made out to University Relations should accompany all orders, and maps may be picked up during the business hours without advance notice. Maps cannot be mailed because the quantity exceeds mailing specifications. For more information, contact 865-2501.

## Workshop series

The Research Administration Workshop Series, sponsored by the Office of Sponsored Programs, is scheduled to begin Feb. 18 with the workshop "The Who's and What's of Research Administration." A second workshop, titled "The Where's and How's of Research Proposals," is scheduled for March 25. For more information about the workshops and how to register, contact Mary Lee Beck at 865-1626.

## Australia Day

Patrick McCaughey, director of the Wadsworth Athenaeum in Hartford, Conn., will be guest speaker at Australia Day, Tuesday, Jan. 26, at Todres Resort. He will compare Australian and American art.

A reception will be held at 6 p.m., followed by a gourmet dinner at 7 p.m. Australian wines will be served, along with Australian meat donated by the Australian Meat and Livestock Corporation. The cost is \$25 per person.

Australia Day is sponsored by the Australia-New Zealand Studies Center.

## Waterbury lecture

Lawrence Grossberg, professor of speech communications, communications research, and criticism interpretive theory at the University of Illinois at Urbana-Champaign, will present a lecture at 7 p.m. Thursday, Jan. 28, in 112 Chambers Building at University Park.

Sponsored by the College of Education's Waterbury Forum on Education and Cultural Studies, the lecture, "What Did You Learn in School Today and What Can Cultural Studies Do About It?" will analyze the relationship between education and the relevance of cultural studies in addressing a number of pressing educational problems. A short reception will follow the lecture.

Dr. Grossberg is the author of *It's a Sin: Essays on Postmodernism*, and co-editor of *Marxism and the Interpretation of Cultural Studies*. Most recently, he co-edited *Cultural Studies*.

## New partnership

A new partnership formed by Penn State Erie, The Behrend College, and Saint Vincent Health Center will allow to Penn State-Behrend students to earn a bachelor's degree in biology and become registered medical technologists in just four years of undergraduate study.

The affiliation between Penn State-Behrend and the Saint Vincent School of Medical Technology permits students to enroll in the health center's twelve-month Medical Technology Program after three years of general biology studies at the College.

"Partnerships such as this let education and health care work together to help the communities they serve," John M. Lilley, Penn State-Behrend provost and dean, said of the new program. "Saint Vincent and Penn State-Behrend want to address the needs, such as that for medical technologists, identified in the Erie area."

## Public lecture

Frances Fox Piven, professor of political science at the Graduate School and University Center of the City University of New York, will speak at 8 p.m. Wednesday, Jan. 27, in Room 1102 Forum Bldg. at University Park.

Her lecture, "Poverty, Inequality and Politics: A New Era?," is being presented by the Department of Sociology.

Professor Piven is the author, with Richard Cloward, of *Regulating the Poor, The Politics of Turtal, Poor People's Movements, The New Class War and Why Americans Don't Vote*.

Active in organizing unregistered voters, her articles in *The Nation* have been credited with exercising an important influence in the formation of the National Welfare Rights Organization.

## AAUW meeting

Charles Mann, curator of special collections for the University Libraries, will speak on "A Vocabulary for Rare Books" at a meeting of the State College Branch of the American Association of University Women at 10 a.m. Saturday, Feb. 6, in the Rare Books Room of Pattee Library at University Park.

He will discuss the history and format of books through examples from the collection of Pattee Library's Rare Books Room.

## Adult student award

The Center for Adult Learner Services, 323 Boucke Building, University Park, is seeking nominations for its 1993 Outstanding Adult Student Award.

Nomination materials are available from the center, the HUB desk and the Kern desk. The center at (814) 865-3887 for information on eligibility and judging criteria. Nomination materials are due at the center on Friday, Feb. 5.

## "Relationship Enhancement" program

The Individual and Family Consultation Center will offer a couples enhancement program Feb. 13-14 at University Park.

The program, called "Relationship Enhancement" is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs and opinion.

The relationship strategies and skills that are taught help couples to address such topics as disciplining children, spending money, communicating effectively, expressing affection and sexual needs, dividing household responsibilities, and coping with dual-career issues.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is \$125 for an individual and \$200 for a couple. For further information or to enroll, call the Individual and Family Consultation Center at (814) 865-1751.

The program is a part of the Department of Human Development and Family Studies in the College of Health and Human Development.

# Focus on Research

Intercom  
January 21, 1993

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## Controlling polymeric liquid crystals

**Important in the medical and construction industries, polymeric liquid crystals are peculiar materials that cannot be classified as either solid, liquid or gas.**

Aerospace materials lighter and stronger than steel and LCD computer screens with more powerful memories could become economically feasible with the help of new mathematical models, according to a University researcher.

In an article published in a recent issue of the *Journal of Non-Newtonian Fluid Mechanics*, M. Carme Calderer, associate professor of mathematics, describes how the new set of equations can be used to model the formation of molecular patterns during processing of polymeric liquid crystals, a more complex form of the material now used in the screens of pocket calculators. The models can be used to improve processing efficiency for these materials.

According to Dr. Calderer, polymeric liquid crystals also are important in the medical and construction industries.

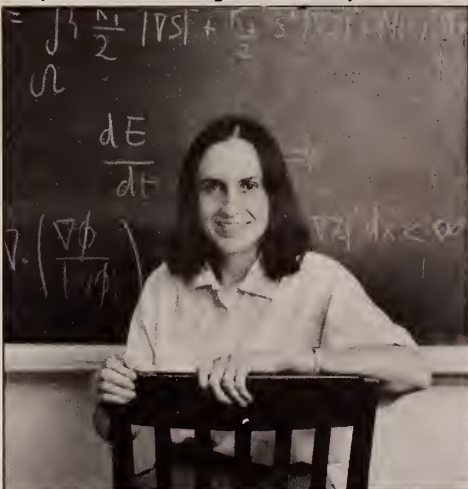
"A major factor in heart disease is cholesterol, which can take the form of a liquid crystal," she says. "Kevlar is a polymeric liquid-crystal fiber being piloted as a reinforcement in concrete.

Although manufacturers have been successful in training polymeric liquid crystals to form fibers, they have not yet been able to tame the material enough to make sheets free of defects. Liquid crystals are peculiar materials that cannot be classified as either a solid, liquid, or gas — the three most familiar states, or phases, of matter.

"The molecules of a liquid crystal behave like a liquid because they are oriented randomly and are free to move around, but they also behave like a solid because they are able to align themselves in ordered patterns under certain conditions," the Penn State researcher says.

Polymeric liquid crystals are capable of having many phases at once. "Because polymeric liquid crystals have so many separate phases, they provide mathematicians with many interesting and challenging problems — and they provide manufacturers with many expensive and frustrating headaches," Dr. Calderer explains.

A polymeric liquid crystal material is very versatile electronically if its molecules are aligned in



M. Carme Calderer

PHOTO: Howard P. Nuenberger

many different directions, or very rigid structurally if they are aligned in the same direction.

"If we could find the right processing conditions to coax polymeric liquid crystals to form a large number of phases, we could make less expensive and more precise LCD screen devices with more powerful screen memories," she says. "And if we could produce molecules all in the same phase and aligned in the same direction, we could make aerospace materials that would be stronger and lighter than steel."

So far, the complex formula for such precise processing control is beyond the reach of manufacturing technology, which is where Dr. Calderer's math comes in. She is building a mathematical model to predict the many possible phases of polymeric liquid crystals as a function of manufacturing conditions.

Her mathematical tool is the 1991 Leslie-Ericksen system of equations, a new development in an old field of mathematics known as partial differential equations. The first Leslie-Ericksen model, developed in the 1960s to describe flow and average molecular alignment in

liquid crystals, was modified in 1991 to add terms describing the variability of the molecular alignment.

The Penn State researcher sees the new model as the first mathematically consistent tool for successfully describing the properties of polymeric liquid crystals.

"Mathematically, this means these equations have lots of solutions, which we need to describe a material that has lots of possibilities," she says.

The mathematical way to view a liquid crystal is as a collection of rigid cylinders that can move and interact. Like a basketball player who can either defend a single player or a specific zone, a mathematician can either focus on the individual molecules or on a particular area in the material. Dr. Calderer prefers to play the zone.

"We describe a zone as the average state of the molecules it contains," she says. "For each property we want to describe, we calculate the average state of the molecules in the zone. Once you have the averages, you have a way to describe the properties of the material rather than of its individual molecules."

What makes the mathematics complicated is the large number of properties that interact during the manufacturing process to control the alignment of the polymeric-liquid-crystal molecules, plus the large number of possible phases that can exist simultaneously.

"I am developing mathematical tools to describe each of these conditions and how they all interact with each other," she says.

Using the 1991 equations, Dr. Calderer has predicted processing conditions that can cause polymeric liquid crystals to form a large number of phases. She says materials scientists recently have indeed discovered some of these very phases. She intends to build on the 1991 Leslie-Ericksen equations to develop an even more useful system of equations.

"By stretching these successful models for liquid crystals even further, we should be able to describe even more complicated materials with important medical and technological consequences."

— Barbara K. Kennedy



The display numbers in digital watches, as well as calculators, are made up of polymeric liquid crystals.

## Renowned author glimpses life in Happy Valley

*"We have found our own little mecca and we don't want it broadcast to the world. We'd like to keep it to ourselves."*

—Focus group participant talking about State College and the Penn State community.

The next written work of pioneer feminist Betty Friedan could include some highly positive comments about retired life in the Penn State community.

In a recent visit to the University Park Campus to lecture on the 92 elections, Ms. Friedan found time to talk to a small group of individuals who have opted to retire in State College, despite most of them having lived elsewhere for a number of years.

The author and scholar, best known for her book *The Feminine Mystique* which inspired the women's movement in the United States, gathered together a focus group of about nine people between the ages of 56 and 78. The participants provided information and background to Ms. Friedan for her upcoming publication on the subject of aging and retirement. While looking through the real estate section of a national paper, Ms. Friedan came across an article about State College and its desirable retirement climate - a climate that Ms. Friedan believes draws people to it by allowing them to continue to grow.

Gloria Nieweg, the youngest member of the focus group and a 1976 graduate of Penn State, agrees, and said living in a university community is an uplifting experience.

"There were very positive, upbeat responses about this area and the only complaint was the weather," Mrs. Nieweg said. "Everyone said it was easy to make friends and there is tremendous opportunity to get involved here."

The former school teacher who's resided in State College since her retirement in 1988, said she likes living close to the University because of the contact with students. "I believe residents have a positive relationship with students," she said. "I like being exposed to students - they keep you young."

Professor emeritus Leon Kneebone, also a part of the focus group, said although he and his wife could have retired anywhere, they opted to remain in State College after his 32 years of teaching botany and plant pathology at Penn State came to a close in 1978.

"The University enriches the community in so many ways," Dr. Kneebone said. "There are innumerable opportunities for volunteerism. In addition, geographically and geologically, this is a really beautiful area, it's a clean area, the crime rate is low and it's an area where all religious faiths are strongly represented in the community."

Martha Starling, director of development for the College of

Health and Human Development, said she accompanied her mother, Francis Lewis, to the session and found the answers of those present helped her with an upcoming project for work.

"Initially I wanted to be involved, but it turned out I was merely an observer," she explained. "However, it was clear from the session that Penn State is the reason that most people come to this area. All the people interviewed had chosen to live in settings that expose them to a diverse age group. No one wanted to live in a retirement home. It was extremely interesting to watch the dynamics of the group and to hear their reasons for being near Penn State."

Harry Salmon, a retired alumnus from the class of 1951, said as a whole the group seemed satisfied with the decision to return here to live out the golden years.



Meet the press... Betty Friedan responds to media questions recently at University Park.

Photo: Greg Grieco

"I lived in Long Island for 38 years and people wonder how I could come from such a large metropolitan area with all of its benefits and culture to an area like State College, but they are very wrong in their assumptions," Mr. Salmon said. "There is so much here that is accessible and less expensive. The University brings in so many things that I think people who are here don't see it and don't appreciate it."

"I really believe that Ms. Friedan was trying to get at the heart of what retired people actually do with their time," Mrs. Nieweg said.

The author said she believes that Penn State, like other university communities, is a drawing card for retirees who choose to come here because retirement "is not a static time in their lives." Ms. Friedan said her work will focus on the reality of retired living versus the "false, distorted image that aging is seen only as a decline from youth."

— Lisa M. Rosellini

### PENN STATERS

Adam J. Surkin, associate professor of English at the Penn State Delaware County Campus, presented an invited lecture, "Inventing a New World," at the opening, plenary session of the XIVth European Poetry Festival, "Europe and the Americas—A Poetic Vision," sponsored by the European Center for Poetry and East-West Cultural Dialogue, "Constantin Noica," in Sibiu, Romania.

Mark Toda, Northeast Region technical specialist for PENNTAP (Pennsylvania Technical Assistance Program) has been elected to the Board of Directors of the Northeastern Pennsylvania Technology Council. He also will chair the Council's Education Committee.

Z.T. Bieniasz, professor of mineral engineering, delivered an invited "futuristic paper" on the role of innovative engineering design at the U.S.-Canada NSF conference on "Geomechanics for the 21st Century."

Joy Dunbar, senior project associate, the Pennsylvania Rural Leadership Program in the Department of Agricultural Economics and Rural Sociology, has been appointed to the Pennsylvania Public Utility Commission Consumer Advisory Council. She is a legislative designee.

Dennis S. Gouran, professor and head of speech communication, has received the Distinguished Scholar Award of the Speech Communication Association.

### CARPOOLERS

Wanted: A non-smoker to take turns driving from Philipsburg to University Park. Working hours are 8 a.m. to 4:30 p.m., Monday through Friday. Call Anna at 865-0469.

Bill is looking for a carpool to/from Tyrone. Working hours are 7:30 a.m. to 4:30 p.m. and are somewhat flexible. Call 863-3007 or 684-2043

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January 21, 1993  
Vol. 22, No. 17

### PENN STATE



### INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

January 28, 1993

Volume 22, Number 18

## New officers elected to University Board of Trustees

William A. Schreyer, chairman of the board of Merrill Lynch & Co. Inc., the global financial services company, has been elected president of the Board of Trustees.

H. Jesse Arnelle, senior partner with the San Francisco-based civil litigation and public finance law firm of Arnelle and Hastie, has been elected vice president.

Mr. Schreyer and Mr. Arnelle will serve one-year terms that will expire in January 1994.

A native of Williamsport, Pa., Mr. Schreyer graduated from Penn State with a degree in commerce and finance in 1948. He joined Merrill Lynch & Co. upon graduation and rose through a succession of sales, trading, investment banking and management



William A. Schreyer



H. Jesse Arnelle

raised \$32 million for academic programs, and currently is chairman of the National Development Council, the University's top voluntary fund-raising organization. In addition, he is a member of the Board of Visitors of The Mary Jean and Frank P. Smeal College of Business Administration.

He and his wife, Joan, established the William A. Schreyer Chair in Global Management Policies and Planning in The Smeal College. They also established the William A. Schreyer Libraries Endowment in Global Management Policies and Planning and contributed to the Chair in Jewish Studies at Penn State.

A life-long supporter of education, Mr. Schreyer also is a director of the New American Schools Development Corporation, a member of the New York State Regents Commission on Higher Education, and a member of the Corporate Committee of the Barbara Bush Foundation for Family Literacy. He initiated Merrill Lynch's unique ScholarshipBuilder program, a trust that will cover higher education costs for 250 economically disadvantaged grade school children in 10 U.S. cities.

Mr. Schreyer was named to the Penn State Board

**Read comments from the new Board president on Page 6**

...rities underwriter and saw total client assets grow to more than \$465 billion, more than any other financial institution.

At Penn State, he has been honored as a Distinguished Alumnus (1979) and an Alumni Fellow (1983). He served as national chairman of The Campaign for Penn State (1984-90), which

positions to become president in 1982, chief executive officer in 1984 and chairman in 1985. During his tenure as CEO, Merrill Lynch ascended to its position as the world's largest and most profitable secu-

See "Two named" on Page 7

## Trustees updated on University's \$278 million building program

The largest building program in Penn State's history, totaling \$278 million, is under way, making substantial progress in meeting the need for more and better campus facilities for faculty and students.

"Two-and-a-half years ago, I identified the need for more and better space as the number one priority University-wide," President Thomas told the Board of Trustees at its meeting Jan. 22 at University Park. "Today, the facilities situation is being addressed beyond our dreams of two years.

"Early in my tenure and with the approval of this Board, we moved forward an internal Capital Improvement Plan, using our bonding capacity and privately raised dollars."

That plan includes more than 100 construction and renovation projects at a cost of more than \$86 million.

Second, the Commonwealth of Pennsylvania released a total of nearly \$69

See "Building" on Page 5



A long view of the Research Park, now under construction. Straight ahead is the Hotel and Conference Center and the Technology Center is on the right. (See story on Page 14).

Photo: Greg Grieco

## Eight graduates selected as Distinguished Alumni

The Board of Trustees has selected eight Penn State alumni to receive the Distinguished Alumni Award, the University's highest award for an individual.

Following are the 1993 Distinguished Alumni, year or years of graduation, and current title:

- Lois Masket Bloom of Easton, Conn., 1956, the Edward Lee Thorndike professor of psychology and education at Teachers College, Columbia University, New York City.
  - Raymond Andrew Bowers, 1931, retired chairman of CCI-Bowers Company, Princeton, N.J.
  - Walter J. Conti, 1952, chairman and owner of Conti's Cross Keys Inn Inc., Doylestown.
  - J. Lloyd Huck of New Vernon, N.J., 1943, retired chairman of Nova Pharmaceutical Corp. (now Scios Nova Inc.), Baltimore, Md., and of Merck and Company Inc., Rahway, N.J.
  - David N. Pincus of Wynnewood, Pa., 1948, Pincus Brothers-Maxwell of Philadelphia.
  - Philip Sieg of Bellefonte, 1957, Sieg Financial Group, State College, Pa.
  - Verne M. Willaman of Vail, Colo., 1951, retired president and chairman of Ortho Pharmaceutical, a subsidiary of Johnson & Johnson, New Brunswick, N.J.
  - King Wu, 1945 graduate degree, state senior engineer and adviser, Ministry of Energy; and vice chairman and president of the China Tong He Economic Development Company, People's Republic of China.
- The Distinguished Alumni Award was established in 1951 to honor Penn State alumni who have made outstanding contributions to their professions and community service.
- Lois Masket Bloom is a pioneer in the area of language development in children. She is well-known not only for her basic research contributions, but also for her continuing dedication to children with language problems.
  - Her landmark book, *Language Development: Form and Function in Emerging Grammars* (1970), transformed the way in which researchers examined grammatical development in children.
  - Raymond Bowers helped build the family business into CCI-Bowers

See "Distinguished" on Page 5

Survey by University center reveals:

## Pennsylvania Blacks experience more negative life events

Pennsylvania African/Black-Americans as a group experience significantly more negative "life events" than a national sample of all Americans over 18, according to a statewide random survey conducted by Penn State Harrisburg's Center for Survey Research.

Telephone interviews of 512 African-American Pennsylvanians were conducted during 1992 by the center, part of the Institute of State and Regional Affairs at Penn State Harrisburg, for the Pennsylvania Legislative Black Caucus.

"For example, Pennsylvania Blacks were twice as likely as other Americans to have a close friend die. They were more than twice as likely to have been laid off or fired, or were five times more likely to have been assaulted," Michael Young, political scientist and associate director of the Institute, said.

**Troubles bring more trouble. African-Americans with problems in one area are statistically more likely to have trouble in other areas.**

"More than 51 life events were measured, and Pennsylvania Blacks were doing better than the national sample in only three categories."

On one hand, most Pennsylvania Blacks report few problems, and three out of four report no problems at all in most life event categories, according to Dr. Young.

"Unfortunately, a solid minority are burdened with multiple problems; one in four experienced an astounding 10 or more life events in the past year," he said.

The report "State of Black Pennsylvania" is based on an index of societal well-being developed at the National Opinion Research Center at the University of Chicago. This is the first study to use the NORC index on African-Americans in a major state.

NORC defines life events as objective experiences that people have in their daily lives. Negative life events are those that disrupt or threaten to disrupt an individual's usual activities, causing a substantial readjustment in that person's behavior. They are defined as experiences that are rated as undesirable by the person experiencing the events and/or by society in general.

The Penn State Harrisburg survey used NORC's life events scale to measure the frequency and seriousness of events experienced by Pennsylvania's African American population during 1991. The life events scale measured occurrences in eight life domains: (1) health, (2) work, (3) finances, (4) material hardships, (5) family-personal, (6) law/crime (7) housing and (8) miscellaneous.

Berwood Yost, director of the Penn State Harrisburg Center for Survey Research, noted, "The findings in this report suggest compellingly that there are two Black Pennsylvanians. One is a majority within a minority and relatively problem free. But the second Black Pennsylvanian, a minority within a minority, is very different and very troubled."

Other key findings from the survey:

♦ Fifty-one negative life events were measured ranging from being ill enough to see a doctor to being arrested or living on the street. The average Black Pennsylvanian experienced six of these in the past year.

♦ Problems cluster in one or two categories for most African-Americans. Health problems by far were the most commonly encountered, while law and crime problems were least common.

♦ Age significantly correlates with the total number of negative life events. Younger Blacks in particular have more work, family and personal problems. Age also is associated with the serious problems in every domain, except health.

♦ The other major predictors of trouble are household size, income and gender. Blacks from larger households report more problems and more serious problems. Lower income increases problems while higher income seems to reduce the seriousness of problems. Males have more troubles than females and more problems in work, hardships and law/crime.

♦ The most troubled Blacks are disproportionately very low income (\$10,000) male and single. The least

### TOP 10 PROBLEMS REPORTED

- 1) Going to a doctor (59%)
- 2) Close friend dying (44%)
- 3) Not having a car (37%)
- 4) Pressured by creditors (30%)
- 5) Major home repairs (25%)
- 6) Discrimination (21%)
- 7) Lacking health insurance (20%)
- 8) Falling behind in rent (18%)
- 9) Break up with fiancée (18%)
- 10) Can't afford medical care (17%)

troubled (10 percent with the fewest problems) are disproportionately higher income (\$50,000) and over 55 years old.

♦ Troubles bring more trouble. African-Americans with problems in one area are statistically more likely to have trouble in others. For example, financial troubles are strongly related to material hardships. Only the health domain is an exception to this. Evidently, health problems are unrelated to work or family issues.

## Events scheduled at University Park for Black History Month

Across Cecily Tyson, the Alvin Ailey Dance Theatre, renown Black American Studies professor Maulana Karenga, founder of Kwanzaa, and a traveling Smithsonian exhibit will highlight the University's celebration of Black History Month.

University Park activities begin Tuesday, Feb. 2, with a presentation titled, "Storytelling in the African Tradition," at 7:30 p.m. in the Paul Robeson Cultural Center Auditorium. Events will be held almost daily. The theme for the month-long schedule, "Songs for My People," was inspired by a Smithsonian Institute traveling exhibition of the same title. That exhibit will be displayed in the Paul Robeson Cultural Center throughout the month, beginning Feb. 6.

On Wednesday, Feb. 3, a discussion titled, "Bridging the Gap" will begin at 7:30 p.m. in the Robeson Cultural Center.

The Alvin Ailey American Dance Theatre will perform at 8 p.m. Thursday, Feb. 4, in Eisenhower Auditorium.

A discussion titled "Youth Making History" is scheduled for Friday, Feb. 5, in the Robeson Cultural Center.

The Smithsonian exhibit, "Songs for My People" will debut at noon Feb. 6 in the Robeson Cultural Center. The highly-acclaimed collection of 55 black-and-white photographs is a visual exploration of Black life in America. The display is scheduled through March 21.

"A Gospel Expedition" is scheduled later that day at 6 p.m. in Schwab Auditorium, and Central Pennsylvania Women of Color will sponsor a social at 8 p.m. in the Robeson Cultural Center.

On Feb. 10 at 7:30 p.m. in the Robeson Cultural Center will be a program titled, "Notable Black Women in Greek Organizations."

"Black Women's Story/Becky Bertha Speaking," will be the title of a discussion at 8 p.m. Feb. 11 in the Robeson Cultural Center.

"A History of Prince Hall Masonry" will be the focus of a presentation at 8 p.m. Feb. 15 in the Robeson Cultural Center.

A two-day tribute to Malcolm X

will begin with a symposium and panel discussion at 7:30 p.m. Feb. 17 in the Robeson Cultural Center. Panelists will be Bernard Bell, professor of English; Amirah Naim, a Black Studies student; Harold Cheatham, Department of Counselor Education; Counselor

Psychology, and Rehabilitation Services professor of education, and Lawrence W. Young Jr., Robeson Cultural Center director.

On Feb. 18 Maulana Karenga, California State University Black Studies department director and professor, will serve as the keynote speaker at the University's Third Annual Malcolm X Symposium and Lecture at 7:30 p.m. in the Robeson Cultural Center.

An original play by the performing arts group NОMMO is scheduled for 7:30 p.m. Feb. 19 in the Robeson Cultural Center.

A dinner and entertainment program titled, "A Touch of Africa" will be

held in the HUB Ballroom at 6 p.m. Feb. 20. Ebony and Ivory week is scheduled for Feb. 22 through 26. Sponsored by Alpha Phi Alpha fraternity, daily programs will focus on enhancing and understanding race relations. The week will begin with a presentation titled, "Religious History of the Black Church" at 7:30 p.m. in the Robeson Cultural Center.

Brenda Verner will make a presentation titled, "Stereotypes of Blacks in Advertising," at 7:30 p.m. Feb. 23 in the Paul Robeson Cultural Center.

"Drugs and Alcohol in the Black Community," is the title of a presentation at 7:30 p.m. Feb. 24 in the Robeson Cultural Center, and at 8 p.m. actress Cecily Tyson will give a presentation in Schwab Auditorium.

A lip sync contest will be held at 7:30 p.m. Feb. 25 in the Robeson Cultural Center.

"Celebration of Black Female Vocalists/Jennifer Lewis" will be the focus Feb. 26 at 7:30 p.m. in the Paul Robeson Cultural Center.

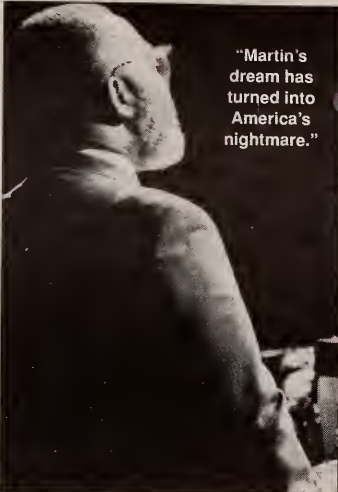
The month will close Feb. 27 with a presentation titled, "Black Women: The Backbone of America," at 1 p.m. in the Robeson Cultural Center.





DIVERSITY

# Sharing the Dream



"Martin's dream has turned into America's nightmare."

The Rev. Amos C. Brown

## Eighth Annual Martin Luther King Jr. Convocation

In observance of the Rev. Dr. Martin Luther King Jr. holiday, more than 980 people took part in activities Jan. 18 at University Park. The evening was highlighted by keynote speaker, the Rev. Amos C. Brown, and students from the dance troupe NOMMO performed "Worship Time" for an audience at Eisenhower Auditorium. Housing and Food Services personnel contributed to the festivities with "Share the Dream" cakes, which were served in all dining halls as part of a special dinner.

Lee Arin Lambert, from Housing and Food Services, decorates the "Share the Dream" cakes.



President Thomas shares a moment with Rev. Brown.



A member of the NOMMA Performing Arts Company dances.

Photos: Greg Grieco

## Keynote speaker named for Healthy Loving Week

Brian McNaught will be the keynote speaker for University Health Services' annual Healthy Loving Week, Feb. 8-14, at University Park.

Mr. McNaught, an award-winning author and lecturer, will speak on "Homophobia: The Toll It Takes on All of Us" at 7 p.m. Tuesday, Feb. 9, in the HUB Ballroom. The talk is free to the public. He also will conduct a workshop for faculty and staff from 1:30 to 4 p.m. Tuesday in the Frizzell Room of Eisenhower Chapel.

The author of *On Being Gay—Thoughts on Family, Faith and Love*, Mr. McNaught wrote a syndicated column in the gay press for 12 years and has contributed to numerous publications, including *The Boston Globe*, *The U.S. Catholic*, *the Advocate*, and *the Humanist*.

He has served as a consultant in the development of education materials to Harcourt Brace and Jovanovich and to the National Council of Churches. He also designed and regularly presents at the corporate level a highly-successful workshop, "Homophobia in the Workplace."

For further information about Healthy Loving Week, or to register for the afternoon workshop, call 863-0461.



Brian McNaught

**DIVERSITY OPPORTUNITIES CALENDAR**

**Through Jan. 30**  
Center for Minority Graduate Opportunities and Faculty Development and the Penn State Bookstore, daily, Kern Graduate Commons. Display of books about the Rev. Dr. Martin Luther King Jr.

**Tuesday, Feb. 2**  
Paul Robeson Cultural Center/Delta Sigma Theta, 7:30 p.m., Paul Robeson Cultural Center. Black History Month program titled, "Storytelling in the African Tradition."

**Wednesday, Feb. 3**  
Sigma Gamma Rho/African Students Association, 8 p.m., Paul Robeson Cultural Center. Black History Month program titled, "Bridging the Gap."

**Thursday, Feb. 4**  
Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Performance by the Alvin Ailey American Dance Theatre.

## Feminist Scholars Lecture Series set

The Women's Studies Program continues its 1992-93 Feminist Scholars Lecture Series this spring at University Park.

**Becky Birtha**, a poet, teacher and lecturer on feminism and diversity, presents "Black/Woman/Story" at 8 p.m. Thursday, Feb. 11, in the Paul Robeson Cultural Center.

She received the Puschart Prize XIII Selection for her writing, and has received fellowship grants from the National Endowment for the Arts and the Pennsylvania Council on the Arts. A prolific writer, Ms. Birtha published her latest book, *The Forbidden Poems*, in 1991 and *Lovers' Choice* in 1988.

**Cynthia Enloe**, professor and chair of the Department of Government at Clark University, discusses "Is the End of the Cold War Good for Women: Feminist Perspective?" at 8 p.m. Thursday, March 25, in the HUB Gallery.

The former Fulbright lecturer and recipient of numerous achievement awards, she has conducted research on

feminism and the military around the globe. Professor Enloe has written the book *Bananas, Beaches and Bases: Making Feminist Sense of International Politics* and is working on her 13th book, *Masculinity and Other War Zones: Women and Men After the Cold War*.

**Elizabeth Ellsworth**, associate professor of curriculum and instruction and women's studies at University of Wisconsin-Madison, will speak on "Who Does This Lecture Think You Are?: Academic Performances of Gender and Other Social Identities," at 8 p.m. Thursday, April 1, in the HUB Gallery. Professor Ellsworth is an expert in communications theory and criticism and has lectured extensively on topics addressing feminism and the mass media.

She received the Critics Choice Award from the American Educational Studies Association for her book *Becoming Feminine: The Politics of Popular Culture* and is a member of the board of advising editors of the *Journal of Curriculum Theorizing: An Interdisciplinary Journal of Curriculum Studies*, and the *Journal of Educational Research*.

### DIVERSITY BRIEF

#### Mentoring program to be discussed

Professional Women at Penn State will host an open agenda meeting, "Mentoring: The Window to Professional Success?" at 11:45 a.m. Tuesday, Feb. 23, in the Frizzell Room of Eisenhower Chapel at University Park.

Small groups will discuss the possibility of establishing a formal or informal mentoring program at Penn State. The small group discussion will start at 12:10 p.m. The group will reconvene at 12:45 p.m. to present its findings as a whole.

Professional Women at Penn State is a grassroots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other PennStaters.

The group welcomes attendance by both male and female persons in all job and student classifications at the University.

## Future Committee looks to Faculty Senate for guidance

The chair of the University Future Committee, **John A. Brighton**, executive vice president and provost of the University, has awarded several proposed curricular changes for consideration by the Faculty Senate. These recommendations result from suggestions received from the University community during the past nine months.

The recommendations would place upper limits on the number of credits that can be required for four-year baccalaureate degree programs and five-year programs. They would also affect general education requirements, including exercise and sports science activity requirements.

"The response to our calls for suggestions from the University community resulted in more than 250 letters, memos and visits," Dr. Brighton said. "The items that the University Future Committee is forwarding to the Faculty Senate are among those that were repeated most often and are suggestions that the committee feels merit further discussion."

"We are not necessarily endorsing these recommendations, but want to place them in the hands of the group that must now review them for merit," Dr. Brighton said.

Among the recommendations the Faculty Senate will review include:

1) Establish a maximum credit requirement for four-year baccalaureate degree programs of 130 credits and for five-year programs of 150 credits. Over the years the baccalaureate degree requirements have become complex in a number of programs. Concern has been expressed about the number of credits required for certain degrees, the availability and sequencing of course offerings, the skills deficiencies, advising, and general education requirements.

Establishing a maximum credit requirement has been proposed as one means to enforce a more rigor-

ous examination of the degree requirements for each baccalaureate program. Reduced requirements should also provide for the reallocation of faculty resources to teach additional sections of other essential courses, thereby helping to reduce the problems of sequencing and

4) The Future Committee also offered its support of an endeavor already under way in the Faculty Senate, a reassessment of the current University admissions formula and the University's role in recruiting and admitting provisional students.

As part of the Future Committee's consultation with the Faculty Senate, members of the Senate were provided summaries of the academic restructuring and reductions that units have proposed to the committee in their strategic plan updates.

The Senate was advised that a number of additional proposals are currently under consideration. These include some broader, cross-college issues.

For example, the creation of a study group has been proposed to consider development of an "umbrella structure" to promote the coordination, integration, and visibility of the education and research programs in the life sciences at Penn State.

Another proposal recommends the creation of an Environmental Science and Technology Council to coordinate and integrate education and research activities in the environment-related programs throughout the University.

Some additional examples of broad policy and program issues that have been proposed to the Future Committee include:

- Reassess the role and structure of the Division of Undergraduate Studies.
- Reduce the number of undergraduate sections.
- Initiate an additional tuition charge for students taking over 18 student credit hours per semester.
- Promote regional collaboration among campuses within the Commonwealth Educational System.
- Establish a goal that 20 percent of undergraduate students participate in the education abroad programs.



availability.

2) Increase the flexibility in the general education requirements by reducing the current 18 credits required in the arts (6), humanities (6), and social sciences (6) to 15 credits, with a minimum of 3 credits in each of these areas.

The proposal would increase flexibility by making it less difficult for a student to meet the requirements when sections are closed out in one of the three areas of the arts, humanities, or social sciences.

3) Eliminate the exercise and sports science activity requirements from the general education programs. These courses are not a requirement at many institutions. In the Big Ten, for instance, only Penn State and the University of Iowa continue the requirement.

Because of student interest, it is anticipated that a number of courses would continue to be offered for students with the interest and credit flexibility to take them. The Senate has been asked to give consideration to the continuation of a health and wellness course requirement.

## Paterno unveils "Million Dollar Challenge" for faculty and staff

Head Football Coach **Joe Paterno** challenged University faculty, staff and students to be a part of the "single most important fund-raising effort" in his 43 years at Penn State. The coach, speaking before Faculty Senate, unveiled the "Faculty/Staff Million Dollar Challenge" to raise funds for the University Libraries.

As chair of the Campaign for the Libraries, Coach Paterno explained that an alumnus has promised to donate \$1 million to the effort. It, by June 30, faculty and staff members give or pledge at least \$2 million toward reaching the campaign goal of \$10 million in private support. The funds will be added to \$14.8 million in state monies that were released in October by Gov. Robert Casey.

The funds will go toward the expansion of Pattee Library, which has been a priority of President Thomas since he took office in 1990. Plans include an improved use of space and the expansion of the existing facilities by approximately 110,000 square feet. A new public entrance will also be incorporated, as well as the creation of a Library for Special Collections, the formation of a Library for Business, and the creation of an information center on the first floor of East Pattee.

At present, more than 1.5 million people use Pattee Library annually. Coach Paterno told Senate members, "Pattee and its subject branches can seat fewer than 7 percent of the student body at one time. In comparison, most institutions in Penn State's class offer seats for about 25 percent of their student body. "The ideal situation would be to seat 40 percent, and we've got a long way to go. Having the support of the faculty, staff and students in this endeavor will send a message to others about how vital the library is to this University."

The Campaign, which officially kicked off in November naming Coach Paterno as chair, has already garnered more than \$4 million in commitments from donors. In addition, Coach Paterno said volunteers are working on other potential sources that could bring in an extra \$2 million in the next few months.

Although Coach Paterno requested that the Senate pass a resolution endorsing the campaign and the "Million Dollar Challenge," any legislative business brought before the Senate must first be reviewed by Senate Council and be reintroduced in a future session.

# Building

Continued from Page 1

million for 14 Penn State projects, which will be matched by \$23.6 million in University funds.



**Sutherland Building** at Ogontz Campus, shown here, will receive funds from Operation Jump Start for renovations.

Inches in these projects was President Thomas' highest priority item, the addition to Pattee Library.

"I am pleased to note that this past week, architects were appointed for most of the projects," Dr. Thomas noted. "Every effort will be made to expedite their design and construction."

Penn State's current capital improvement efforts also include two additional projects: the Jordan Center, a \$53.8 million facility for academic,

athletic and cultural events; and facilities at the Penn State Research Park, with the buildings currently under way totaling \$60 million.

In addition, more good news arrived in late December as Gov. Casey signed a new capital appropriations bill that includes a number of important projects for the University, totaling \$69 million in new projects. They are: the expansion of the HUB/Robeson Center, the library at Penn State Harrisburg; a pedestrian bridge connecting the west and central areas of University Park; utility projects at University Park, Berks Campus and Mont Alto Campus; and equipment projects.

"These projects are of high priority and we will work diligently to obtain the release of these funds, as soon as possible," Dr. Thomas said. "I am disappointed that our request for the urgently needed chemistry building at University Park was not approved. This will become our top priority in future capital requests to

the state.

"We will continue to vigorously pursue more state support for Penn State academic programs. But it is gratifying to have made such significant progress on capital programs, which will greatly benefit our faculty and students."

Dr. Thomas stressed that the state capital dollars could not be directed to programs or other operations at the University.

## ARCHITECTS NAMED FOR PROJECTS

Operation Jump Start projects and selected architects are:

- A new addition to the East Wing of Pattee Library, Cell-Flynn and Associates of Pittsburgh.

- A new multi-story building for the College of Engineering, CGSGB Inc. of Clarks Summit.

- A new research center, L. Robert Kimball and Associates and Herbert Beckhard Frank Richlan (Joint Venture) of Ebensburg.

- A new general purpose classroom building, IKM Inc. of Pittsburgh.

- New classroom building at Delaware County Campus, Agoos/Lovera Architects of Philadelphia, a minority-owned firm.

- Renovations of Sutherland and Lores Buildings at Ogontz Campus, Highland Associates-One Ltd. of Clarks Summit.

- Improvements and additions to central energy plant and distribution system at The Milton S. Hershey Medical Center, Brinjac, Kambic & Associates Inc. and Mark Ulrick, P.C./Engineers (joint venture) of Harrisburg, Mark Ulrick is a minority-owned firm.

- Renovation of Research Buildings A, B and C, John C. Haas Associates Inc. of State College.

- Renovation of Weaver and Patterson Buildings, Ganfield Architects & Engineers Inc. of Camp Hill.

"We have been able to take good advantage of what is currently available in the state funding. This momentum gives us both strength and encouragement as we continue to take on the University's current set of challenges," he said.

# Distinguished

Continued from Page 1

Company, which records revenues of about \$100 million annually. The firm is involved in design, construction and real estate development.

He has made contributions to the field of architectural engineering and is an active in community service.

— Walter Conti has been a driving force in the hotel and restaurant industry. His career as a restaurateur has been marked by numerous state and national awards, including the industry's highest honor, the International Foodservice Manufacturers Association Gold Plate award. He also served as president of the National Restaurant Association.

At Penn State, he has helped to develop the program in food service and hotel management. In addition, he was a member of the University's Board of Trustees from 1974 to 1992, serving as vice president from 1979 to 1981 and as president from 1982 to 1984. He was named Trustee Emeritus in 1992.

— I. Lloyd Huck, one of the most prominent business executives, helped to place Merck & Co. at the pinnacle of the pharmaceutical industry over nearly 30 years. Continuing his career at Nova Pharmaceutical, he focused on long-term strategic planning and helped the firm position itself for future growth. Nova Pharmaceutical has now merged with Scios to form Scios Nova Inc.

His commitment to Penn State includes a 15-year tenure on the Board of Trustees, particularly as president in 1988, 1989 and 1990, and continues as Trustee Emeritus. He also is a member of the National Development Council and chairman for the Campaign for Hershey. He serves on the Board of Directors of the Association of Governing Boards of Universities and Colleges and also was appointed to the Knight Foundation's Commission on Intercollegiate Athletics.

— David N. Pincus, chairman and CEO of Pincus Brothers-Maxwell, Philadelphia, a firm in the tailored clothing business, is an active philanthropist on an international scale.

He has worked through various relief agencies such as Oxfam, CARE, Save the Children, UNICEF, and Jewish World Service, getting food to starving children in Ethiopia, helping with pediatric AIDS cases in Romania, or collecting clothing, blankets and food for the homeless in Philadelphia.

— Philip Sieg, a leader in the development of Centre Region, is best known as the developer of Tofrees, Pennsylvania's first totally planned community.

Among the many Penn State activities he and his wife, Judith, support include the University Library, Festival Theatre and the Academic/Athletic Convocation and Events Center. They have established the Philip H. Sieg Professorship in The Mary Jean and Frank P. Smeal College of Business Administration.

— Verne M. Willaman has had a long and distinguished career at Johnson & Johnson, serving on the executive committee and board of directors, and heading its Ortho Pharmaceutical subsidiary.

Named an Alumni Fellow of the Eberly College of Science in 1985, he has been very active at the University, serving on the Biotechnology Leadership Committee, the National Campaign Committee for Biotechnology, the National Development Council and the executive committee of the Alumni Council.

— King Wu has been honored in the past 40 years by the Chinese government for his contributions to accelerate new construction and develop scientific research into new and renewable sources of energy in China. Thanks in part to his efforts, annual coal output in China has increased from 34 million tons in 1949 to 1,080 million tons in 1991.

At Penn State, he founded, organized and is president of the Penn State Club of Beijing. He has hosted four alumni tour groups in Beijing, and has assisted in the recruitment and counseling of Chinese students interested in attending Penn State.

## OBITUARIES

Edgar S. Krug, retired physician at Ritouner Health Center, died Dec. 12 at the age of 87.

A 1926 graduate of Penn State and a 1929 graduate of Jefferson Medical College in Philadelphia, he spent seven years in private practice in McConnellsburg before joining the Ritouner Health Center staff in 1937.

Dr. Krug served as assistant director of the center from 1958 until his retirement Jan. 1, 1965.

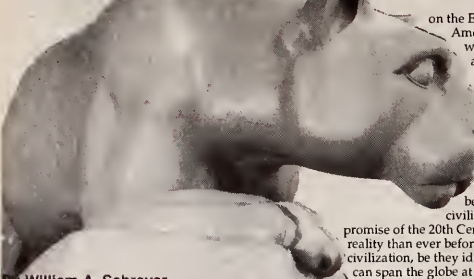
Perry C. Aults, dining hall worker, Housing and Food Services, from Sept. 12, 1955, until his retirement April 25, 1974, died Dec. 18. He was 74.

Pearle C. Barger, clerk, Drafting Room, Office of Physical Plant, from Sept. 1, 1965, until her retirement May 1, 1981, died Dec. 5. She was 76.

Albert F. Cole, supervisor, herdman, College of Agricultural Sciences, from July 1, 1957, until his retirement Oct. 1, 1973, died Nov. 26 at the age of 81.

June A. Fegley, patient care assistant, Hershey Medical Center, from Oct. 5, 1970, until her retirement July 2, 1988, died Dec. 9 at the age of 64.

# Penn State: Our best days are ahead



By William A. Schreyer

*Editor's note: These thoughts were penned by newly-elected Board of Trustees President William A. Schreyer, who firmly believes that the University's best days are yet to come.*

Prior to placing my name before you as a candidate for the presidency of the Board of Trustees, I have devoted a great deal of thought to the challenges and opportunities facing Penn State, and the proper role of the Board in helping our University to reach its fullest potential. I have sought to make a careful and reasoned assessment of Penn State today — its strongest as well as weakest points — its goals, and the most effective means by which to meet those goals both near-term and into the next century.

The purpose of this paper is to outline for you as succinctly as possible my views on what our priorities should be over the next several years as the University's ultimate governing authority. In framing these views, I have drawn upon the experience gained as a Trustee for nearly seven years, and as Chairman of the Campaign for Penn State. Each of these activities has brought me into rewarding contact with countless members of the Penn State community — students, faculty, administrators, alumni and friends — who have generously shared their own visions and aspirations for the University. And so my own thoughts have been forged from a continuing dialogue with many people of different backgrounds and perspectives who share a deep commitment to Penn State and who have thought long and hard about its future. From them I have drawn a great sense of optimism and excitement about the possibilities before us.

***"Perhaps our most important responsibility as Trustees is to look beyond the immediate horizon, and focus on the major strategic issues that will affect Penn State's destiny well beyond the turn of the century."***

My future service to the Board and the University will be dedicated above all else to the singular proposition that for Penn State, our best days are ahead of us. I believe that if the University community rises to the challenge, Penn State can quickly advance its reputation as one of the very finest institutions of higher education and research — not just

on the East Coast or in North America, but in the entire world. Our advancement as a world class university will require us, in the words of one thoughtful Penn Stater, to "look beyond the ridges of Central Pennsylvania, and really see the rest of the world." This expansive vision is essential because the unified global civilization that has been the promise of the 20th Century is now more of a reality than ever before. Today the tools of that civilization, be they ideas or investment capital, can span the globe at literally the speed of light, indifferent to national boundaries. Similarly, problems and crises in distant lands quickly become concerns that we ourselves must be prepared to address.

It seems to me that our ability to advance Penn State's reputation as one of the world's great universities is dependent on three things. 1) a stronger-than-ever dedication to academic excellence in undergraduate and graduate education, 2) financial resources that are both predictable and plentiful enough to make such excellence possible, and 3) a continued commitment to the principles of integrity, inclusion and service to humanity that have been the bedrock of Penn State's land grant tradition for 137 years. The Board of Trustees has a critical role to play in achieving these objectives.

It is probably safe to say that in a community as intellectually charged and diverse as Penn State, it is impossible to gain universal agreement on anything. Of course, we are no different from any other great university in this regard. However, in my discussions over time with diverse members of the University community, I have discovered two possible exceptions to this rule.

The first is that virtually everyone agrees the greatest barrier to advancing academic quality at Penn State is a lack of adequate financial resources. The recent initiatives by the state in the area of capital funding are encouraging and most welcome. But the fact remains that the University's operating budget continues to be stretched almost to the breaking point.

We all know well the fact that in 1992, the University sustained its first permanent reduction in state funding since the Great Depression of the 1930s. And we are all well acquainted with the facts and statistics that document a pattern of chronic underfunding by the state, compared with our Midwestern counterparts in the Big Ten. It is no longer enough to describe the problem. The University administration and the Board of Trustees must become more ingenious than ever in devising solutions.

In the face of tight financial resources, a first and obvious step is to narrow and sharpen Penn State's focus. This imperative is by no means a new one. Indeed, the strategic planning principles endorsed by this Board over six years ago in September 1986,

were based on a fundamental understanding that "the University would have to do fewer things in order that it could do other things better." This document also stated: "The realization of many of the University's strategic goals and priorities must come from careful but rigorous reallocation of resources within units."

Translating a broad principle into concrete action is never an easy process — especially when it involves the reallocation of resources when resources are scarce. Inevitably, this process creates dissent and some temporary dislocation and discomfort. However, most of America's leading corporations have been required to go through such an exercise in recent years, and the ones that have done it well have emerged stronger, smarter, more globally competitive and more profitable. Universities can likewise benefit, though, of course, success will be judged by measures other than higher profits. At stake, very simply, is the potential for excellence versus the very real threat of mediocrity and decline, two words that we must never allow to be associated with Penn State.

The University administration has created the Future Committee as a mechanism to meet this challenge, and it has been wisely designed to fulfill a dual purpose: first, to identify every option throughout the university for potential savings as



Newly-elected Board President William A. Schreyer (right) with President Thomas.

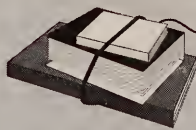
Photo: Greg Grieco

well as for potentially increased resources, and second, to ensure that every constituent within the Penn State community has an opportunity to comment and participate.

Not surprisingly, the Future Committee's approach has generated a healthy measure of debate and controversy. I believe, however, that the administration has made a persuasive case that this process effectively accommodates the University's system of shared governance, and allows for maximum possible participation. Under the Committee's timetable, recommendations will be made in the spring to President Thomas, who will subsequently evaluate and act upon them. We as a Board can lend our best counsel and support to this process — and help it achieve its intended outcome — by keeping foremost in our minds the broad, University-wide objectives it has been designed to accomplish.

Perhaps our most important responsibility as Trustees is to look beyond the immediate horizon, and focus on the major strategic issues that will affect Penn State's destiny well beyond the turn of the

## BOOK



## SHELF

Adam J. Sorokin, associate professor of English at the Penn State Delaware County Campus, is the editor of two books of collaborative translations of contemporary Romanian poetry.

The first book, *Selected Poems of Anghel Dumbraveanu, in Romanian and English; Love and Winter*, was translated with Irina Grigorescu Pana of Monash University, Australia, and formerly of the University of Bucharest.

The poet Anghel Dumbraveanu has been one of Romania's most important lyric poets over the last three decades. Published by the Edwin Mellen Press of Lewiston, NY, the dual-language volume consists of 93 poems, plus an introduction to the poet by Dr. Sorokin and an appendix made up of a 1988 interview with Anghel Dumbraveanu.

The second book, *Fires on Water/Focuri pe apa: 7 Poets from Sibiu*, was translated jointly with Liliana Ursu, who currently is the Fulbright lecturer in the Department of Slavic and East European Languages at University Park.

The dual-language, Romanian-English volume has 46 poems by poets born in, or closely associated with, the Transylvanian city of Sibiu.

The work is the inaugural publication of a series, "Collection 7," anthologies of poets representative of various European regions. It was published in Bucharest by Cartea Romaneasca (the publishing house of the Romanian Writer's Union) and the European Center for Poetry and East-West Cultural Dialogue "Constantin Noica" of Sibiu, the institutional sibling of The European Center for the Promotion of Poetry.

Charles S. Prebish, associate professor of religious studies, is the editor and major author of *Religion and Sport, The Meeting of Sacred and Profane, Contributions to the Study of Popular Culture*, No. 36 (Westport, Connecticut and London: Greenwood Press, 1993).

The book grew out of his decade-long experience in teaching a course on religion and sport during which he discovered that very few students understand their common features and that even athletes are generally unable to define "sport."

In the opening three chapters of the book, Dr. Prebish considers the meaning of religion and of sport and the relationship between the two. He argues that sport has become an American religion. The book includes five essays by leading authorities that offer an analysis of the religious dimension of sport from sociological, historical, theological, philosophical, and psychological perspectives.

James Johnson, associate professor of education, is co-author with Jaipaul Roopnarine of *Early Childhood Education* (second edition), published by Charles E. Merrill Publishers.

Paul Lawrence Rose, professor of European history and Mitani Professor of Jewish Studies, is the author of *Wagner: Race and Revolution*, published by Yale University Press.

It has long been acknowledged that Richard Wagner was a virulent antisemite, yet the composer also has been characterized as an idealistic revolutionary.

In *Wagner: Race and Revolution*, Dr. Rose argues that Wagner did not suddenly change from a progressive revolutionary into a reactionary racist; for him, as for many other Germans, the idea of revolution always contained a racial and antisemitic core.

Dr. Rose approaches Wagner on varying levels so as to see him as he really was: he places Wagner within the context of mid-nineteenth-century German revolutionary culture; he studies the composer's whole range of theoretical and artistic works, tracing his career and the evolution of his thought, and he considers Wagner's personality and his personal relationships (especially with those Jews who considered themselves his friends).

## Best days

## Continued from Page 6

century. In my view, two such issues are the University's funding structure, and the mechanisms we adopt for ensuring the strongest possible future leadership. Let me briefly discuss both of these issues.

To address Penn State's long-term fiscal health, I believe the Board should undertake a careful and exhaustive review of every financial option open to us in the future. One area of critical focus should be how to mount a concerted and long-term effort to maximize private support. In my view, this must always be a priority and an area of active involvement for the Board of Trustees.

We need to scrutinize the entire range of additional considerations as well. We should thoroughly explore what it will take to build the kind of highly visible, effective and relentless advocacy network that would be required in a multi-year effort to attempt to reverse the disturbing pattern of decline in state funding. At the same time, we must be prepared to consider other alternatives if it becomes clear that despite all of our best efforts, the state's political and fiscal climate continues to put Penn State at a disadvantage.

We must persist in exploring every other option available to best allocate existing resources — and generate additional resources — to ensure that Penn State not only has an expansive vision but also the means to make that vision a reality. Unless we aggressively consider every possible alternative with imagination and open minds, then we risk being stymied by the challenges of today and defeated by those of the future.

Equally important for any Board, corporate or academic, is the responsibility to ensure that the organization is developing strong, visionary leadership now and for the future. This entails identifying and advancing leaders both within the University community and, where the need exists, from the outside. It is essential that we work in concert with the University's governing structure toward this end. Among the benchmarks of superior leadership we should foster are the ability to encourage teamwork throughout the institution, to conceive and implement new and imaginative ideas, to communicate effectively with all of the university's important publics, and to motivate and inspire them with a compelling vision.

As we consider our responsibilities as the Board of Trustees, it is equally important that we

be mindful of what we should not do. Here we arrive at the second exception to the aforementioned rule about the inability to get everyone to agree on anything. Virtually everyone I have talked to does seem to agree that the Board should not attempt to micromanage the University. If we allow ourselves to establish a pattern of involvement in day-to-day management decisions, not only do we risk making bad decisions, but we threaten to undercut the authority of the people charged with those responsibilities within the University's established management structure. While our charter states that the University shall operate under the management and government of the Board of Trustees, Penn State has become a very complex modern institution, and it was wise to exercise our authority judiciously. One of our esteemed former Board presidents expressed it well when he said: "We govern but don't manage, we delegate but don't abdicate."

As a Board we are a diverse group, and we

### "In the end, the Board of Trustees can lead by example ... "

will inevitably become even more so as we accelerate our progress in making Penn State a more diverse university. That is a commitment from which we must never retreat. Diversity generates a richness of competing ideas, differing viewpoints and new perspectives key to the University's future. In such a fertile atmosphere, healthy debate naturally occurs and we are all the stronger for it. The danger is that those who shout the loudest too often carry the day. The opportunity that we realize at a higher common ground and advance the global reputation of Penn State, directly benefiting students, faculty, staff, alumni, the citizens of Pennsylvania and of the world at large.

In the end, the Board of Trustees can lead by example through our collegiality and our unity of common purpose. When all viewpoints have been heard, when the debate has come to closure and the decisions have been made, then it becomes our highest duty to encourage all within the University community to put aside their differences, unite, and move forward together. For me, there could be no more noble a purpose or deeper an honor than to work with you over the next several years, in pursuit of these goals and of others that we may agree upon for the greater glory of Penn State.

## Two named —

## Continued from Page 1

in 1986 by Pennsylvania Gov. Dick Thornburgh. In 1990, he was elected by delegates of industrial societies to the Board and has been elected vice president in 1991.

Since 1969, Mr. Arelle has served on the Board of Trustees and is the senior trustee of the 32-member board. A 1955 graduate of Penn State, he was president of the student body, a member of Lion's Paw and an All-American in football and basketball. He is a 1962 graduate of Dickinson Law School and has been admitted to practice before the U.S. Supreme Court, the Pennsylvania Supreme Court and the California Supreme Court.

He serves on the boards of directors of the World Affairs Council; the World Centre; the Wells Fargo and Company, parent company of Wells Fargo Bank; and the San Francisco

Opera Board. Mr. Arelle was a commissioner of the San Francisco Redevelopment Agency and served as an official attaché to the 1984 Summer Olympic Games.

In 1982, Mr. Arelle was elected a Fellow of the American Board of Criminal Lawyers and has been a diplomat faculty member to the Federal Law Practice Seminars in Northern California. In 1988, he received the Humanitarian Award from the Bay Area UNICEF. He was adjunct professor of law at Hastings Law School and served as a member of the San Francisco Bar Association Judicial Selection Committee.

The San Francisco resident is past-president and co-founder of the Penn State Renaissance Fund and is a life member of the Penn State Alumni Association. He also serves as a member of the National Development Council.

**Trombone choir**

The Penn State Trombone Choir will perform in concert at 12:10 p.m. today, in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the

Bach's Lunch series sponsored by the School of Music and University Lutheran Parish.

The program will include selections by Ray Premur and Ravburn Wright, both 20th-century composers and trombone players.

Directed by Mark Lusk, assistant professor of music at Penn State, the Penn State Trombone Choir consists of 20 trombone majors in the School of Music. The concert is free and open to the public.

**Art history lecture**

Mary Louise Krumrine, associate professor of art history, will present a lecture, "Color in El Greco," at 8 p.m. Tuesday, Feb. 2, in Room 112 Warik Building at University Park.

The lecture resumes the series "Scholarly Speculations: Recent Research by the Faculty of the Department of Art History," sponsored by the Department of Art History. Color is a quality of El Greco's paintings that has eluded objective definition. Dr. Krumrine's analysis will explore the various influences on El Greco's palette, with particular attention devoted to her personal expression of belief in spiritual rebirth. The lecture is free to the public.

**Architect to lecture**

Donald Carter, architect with UDA Architects, Pittsburgh, will present a lecture at 5 p.m. Tuesday, Feb. 2, in Room 108 Warik Building at University Park. The lecture is part of the "Partners in Architecture" lecture series, sponsored by the Department of Architecture. Also, as part of the series, Gary Plosser, architect with Kidd, Plosser and Sprague, Birmingham, Ala., will speak at 3 p.m. Thursday, Feb. 4, in 108 Warik.

The lectures are free to the public.

**Week of "Carmen"**

Three film versions of the popular opera "Carmen" will be presented Feb. 6, 7 and 8 in the Carnegie Building Campus at University Park. Co-sponsored by the Center for the Performing Arts and the School of Communications, the films will be presented in conjunction with the Thursday, Feb. 11, performance of George Bizet's "Carmen" by the New

York City Opera National Company.

"Carmen," by director Francesco Rosi, in Italian with English subtitles, shows at 7 p.m. Saturday, Feb. 6. The screen opera, considered the definitive version of Bizet's classic, is conducted by Lorin Maazel and features Plácido Domingo and Julia Migenes-Johnson. Bruce Trinkle, associate professor of music, will host the film.

"Carmen," by Carlos Saura, in Spanish with English subtitles, shows at 7:30 p.m., Sunday, Feb. 7. Featuring Bizet's music, the tale depicts a dance company performing the story of a factory girl who taunts the men in her life. The company members eventually discover that their roles are taking over their lives. Professor Trinkle will again host the film.

"First Name: Carmen," by Jean-Luc Godard, in French with English subtitles, shows at 7:30 p.m., Monday, Feb. 8. The film revisits the doom-laden romance of Breathless and derives from the Prosper

Merimee novel and the Bizet opera. Featuring Maruschka Detmers, it explores the sexually explicit romance of a police officer and the beautiful young woman who leads him to a life of crime and humiliation.

The New York City Opera National Company will perform "Carmen" in Eisenhower Auditorium. For ticket information, contact the Eisenhower Auditorium Ticket Center, at (814) 863-0255.

**Magic show**

The Landis and Company Theatre of Magic will perform "The Great Vaudeville Magic Show" at 3 p.m., Sunday, Feb. 7, in Eisenhower Auditorium at University Park.

A fictional biography of Alexei the Ukrainian Wonder, the story relates Alexei's journey from humble peasant beginnings to Vaudeville fame. Landis Smith, the man who created and portrays the madcap magician, enlists

audience members to assist him with his illusions. Alexei cuts a man in half with a rope, levitates a woman and cuts another in half with a laser beam. The illusions are highlighted by comedy and embellished with a classical music score in a performance that will delight the entire family.

Tickets are \$5 for non-students; \$3 for students. For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

**Featured storyteller**

Sheren McKenzie, an emerging contemporary artist in the field of creative expressionism, will be featured as a storyteller at the Penn State Bookstore on Campus from 10 to 11 a.m.



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today. The stories told will be geared to a 3-6 year old age range and will reflect Ms. McKenzie's interests in poetry, historically-based prose, music and dramatic performance art.

A practicing speech therapist, Ms. McKenzie performs traditional, contemporary and personal African-American poetry, as well as giving storytelling performances.

She has received awards for outstanding performance in the musical and theatrical arenas, and has made several television appearances on WFSX-TV and on PENNARAMA. She also was the featured artist at the 1992 Martin Luther King Commemorative Banquet for Penn State's Forum on Black Affairs.

**ARTS AT ...**

**Dubois**

The Penn State DuBois Campus is hosting an exhibit of watercolor paintings by Brockport artist Dorothy Hook. Thirty-eight Alaskan scenes are on display in the lobby of the Smeal Building and in the campus library until Feb. 19.

The watercolors, depictions of actual places, are glimpses of Alaskan culture. Some feature groups of quaint clapboard dwellings set against rugged mountains which drop into bustling waterways clogged with sailing ships. Others focus on a single unique structure settled in unclaimed nature.

Dr. Hook, a former art instructor at Penn State DuBois, has had a long-term involvement with art and education in Central Pennsylvania.

**Mont Alto**

The exhibit, "The First Pennsylvanians," sponsored by the Pennsylvania Humanities Council (PHC), will be on display in the Penn State Mont Alto Library through March 15 as part of the campus' How to Plink and Plunk, Howl and Scoot, Hoot and Toot and Call It Art! Series.

According to Johanna Ezell, campus librarian and coordinator of the series, the exhibition features a series of panels of artwork and information on seven Native American cultures—the Lenape, the Munsee, the Jersey Lenape, the Susquehanna, the Monongahela, the Iroquois and the Shawnee.

The exhibition is supported by a grant from the PHC, a statewide funding organization funded in part by the National Endowment for the Humanities, and is open to the public free of charge Mondays through Thursdays from 8 a.m. to 10 p.m., Fridays from 8 a.m. to 5 p.m., Saturdays from noon to 4 p.m. and Sundays from 5 to 10 p.m.

**NEWS IN BRIEF**

**Research volunteers needed**

Female volunteers between 31 and 50 years of age and between 71 and 80 years and male volunteers between 31 and 60 years of age and between 71 and 80 years are needed for a research project at the Center for Loconation Studies.

Testing requires one hour of time in Room 10 of the Bowman Building and consists of measurements of height and weight, blood pressure, mobility of the toes and ankles, and sensation tests of the feet. One finger stick glucose measurement will be done to rule out diabetes. Footprints and barefoot pressure readings will be collected.

Exclusion for the study includes: history of a stroke, low fusion back surgery, diabetes, major foot problems, or problems with gait/walking. Compensation of \$5.00 is given for participation.

If interested, please contact Mary Becker at 865-1972 for more information.

**Dean to speak**

Susan Welch, dean of the College of the Liberal Arts and professor of political science, will speak on "Two Different Worlds? Black and White Attitudes Toward Race," at noon Wednesday, Feb. 3, in 118 Willard Bldg., as part of the Peace and Conflict Studies Association Brown Bag Lunch Series. The public is invited.

**Library seminars**

The University Libraries is offering a series of "hands-on" seminars during the spring semester to help library users learn more about the growing number of electronic databases available through the Library Information Access System (LIAS). CD-ROM databases will also be discussed.

Katie Clark, head of the Life Science Library, and Helen Smith, agriculture librarian, will host the seminar at 2 p.m. Feb. 4, and at 2 p.m. April 13. Each seminar, approximately an hour-and-a-half in length, will take place in the Tower Training Facility, C402 Pattee Library.

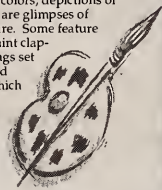
To register or learn more about the other offerings in the seminar series, contact Sandy Stauffer at (814) 865-0041 or by electronic mail at ssa@psu.edu. Seating is limited so register early.

**Housing fair**

Students, faculty, staff and area residents will find convenient one-stop shopping at the eighth annual Housing Fair from 9 a.m. to 2:30 p.m. Friday, Jan. 29, and Saturday, Jan. 30, in the HUB Ballroom and Fishbowl at University Park.

About 50 exhibitors are expected to attend this year. Bus tours of housing facilities will be available, and local merchants will be on hand with promotional giveaways.

The fair is sponsored by the Office of Off-Campus Living and B-103 Radio. Co-sponsors are OTIS, The Commonwealth Campus Student Governments, the Association of Residence Hall Students, the Graduate Student Association and Student Council. The public is encouraged to attend.



# University Park Calendar

Jan. 28 — Feb. 7

## SPECIAL EVENTS

Thursday, Jan. 28

Simple Girls, acoustic music trio. Free concert, Kern lobby, noon.  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Trombone Choir.  
Center for Women Students Brown Bag Lunch, 12:30-1:30 p.m., 120 Boucke Bldg. Informal discussion with Frances Fox Piven, professor of political science.  
College of Education, 7 p.m., 112 Chambers. Lawrence Grossberg on "What Did You Learn in School Today and What Can Cultural Studies Do About It?"

Friday, Jan. 29  
Eighth Annual Housing Fair, 9 a.m.-3:30 p.m., HUB Ballroom and Fishbowl. Also Jan. 30  
School of Music, 2:30 p.m., Recital Hall. Paul Haack on "Misunderstandings about Music."

Geography Coffee Hour, 3:55 p.m., 319 Walker Bldg. Matt Hannah on "Space and Social Control."  
Saturday, Jan. 30  
Friends of the Palmer Museum of Art membership drive opens.  
Shaver's Creek, 1:30-4 p.m., Native American Series-I. Bow and arrow making and flint knapping. Call 863-2000.  
Enrichment Center, for the Performing Arts Lecture, 7 p.m., Eisenhower Greenroom. Hannibal Peterson, American composer.  
Kronos Quartet premieres "How It Happens," 8 p.m., Eisenhower Aud.

Monday, Feb. 1  
Comparative Literature Luncheon, 12:15 p.m., 101 Kern Bldg. Emily Groszholz on "Langston Hughes and Louis Untermeyer: A Case Study in Literary Politics."  
Tuesday, Feb. 2  
Department of Architecture, 5 p.m., 108 Wartik Bldg. with Donaki Carter.  
Department of Art History, Mary Louise Krutme on "Color in El Greco," 8 p.m., 112 Walker Building.  
Center for Women Students, Essex Hemphill on "Readings from Black Gay Literature," 8 p.m., HUB Assembly Room.  
Wednesday, Feb. 3  
Shaver's Creek, Tales for Tots, 9:30-10:30 a.m. Call 863-2000.  
Peace and Conflict Studies Association, noon, 118 Willard Bldg. Susan Welch on "Two Different Worlds? Black and White Attitudes Toward Race."  
Center for Women Students Brown Bag Lunch,

noon-1 p.m., 120 Boucke Bldg. Jill Morgan on "Perspectives on Eating Disorders: Some Thoughts About Why Women Develop Eating Disorders and How They Recover From Them."

Friday, Feb. 5  
Geography Coffee Hour, 3:55 p.m., 319 Walker Bldg. Susan Hanson on "Gender, Work and Space."  
Shaver's Creek, Owl Prowl, 7-9 p.m. Call 863-2000.  
Saturday, Feb. 6  
Shaver's Creek, Animals in Winter, 1-2:30 p.m. Call 863-2000.  
Enrichment Event, Center for the Performing Arts, 7 p.m., Camegie Bldg. Cinema, "Carmen" by Francesco Rosi, in Italian with subtitles.

Tuesday, Feb. 2  
Plant Pathology, 1-2:15 p.m., 112 Buckhout Lab. Michelle Pfeiffer on "A Possible Mechanism of Barley Yellow Dwarf Virus Vector Specificity."  
Materials Science, 4 p.m., 26 Mineral Science. David L. Miller on "Exploring the Growth of GaAs Using Molecular Beam Epitaxy."

Wednesday, Feb. 3  
Accounting Research Colloquium, 3:30-5 p.m., 333 Beam BAB. Mary Barth on "Market Rewards for Increasing Earnings Patterns."  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. Randall M. German on "Thermal Management of Materials and Structures by Powder Injection Molding."  
Thursday, Feb. 4  
Adult Education, noon, 206 Charlotte Bldg. James Stewart on "Cultural Diversity and the Adult Learner."

■ School of Communications, 4 p.m., 101 Camegie Bldg. Jurgen Wake on "Agenda Setting in Historical Perspective: The Coverage of the American Revolution in the German Press."  
Biology, 4 p.m., 8 Mueller. Thomas Jack on "Homeotic Flower Mutants of Arabidopsis thaliana."

Gerontology Center, 4:5 p.m., 106 Mitchell Bldg. Paul Esinger on "Neuropsychological Assessment."

## EXHIBITS

Chambers Gallery: Paintings and ceramics by undergraduate students, through Feb. 26.

Pastor Library  
East Corridor Gallery: Edna Raphaels' exhibit, "Mountains of New Mexico, 1961-1992, Autumn, Winter, Spring," through Feb. 15.

Rare Books Room:  
"City on the Edge of Time," The World's Columbian Exposition, Chicago, 1893, through March 31.

Lending Services Gallery:  
"Rapunzel," an exhibition of watercolor and ink illustrations by Pamela Sue Anzman, through Feb. 15.

Main Lobby:  
United Steelworkers of America Archive exhibit, through Jan. 29.

Zoller Gallery:  
"Photo National," national juried exhibition of contemporary photographs, through Feb. 28.

■ Reflects an international perspective.



## CELEBRATING THE AFRICAN AMERICAN CONTRIBUTION

WPSX-TV is celebrating the African American Contribution in February during Black History Month with a wide range of special public television programming. (for additional events, see listing on Page 2). Starting off the celebration will be Travels broadcast of "Back to Africa," airing Monday, Feb. 1, at 8 p.m.

School of Music, 8 p.m., Schwab Auditorium. Rachmaninoff Anniversary Concert, Cecilia Dunoyer and Timothy Shaler, piano.

Thursday, Feb. 4  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Bassoon Band.  
Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. A member of the Alvin Ailey American Dance Theatre will present a lecture on "Artistic Viewpoints."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Alvin Ailey American Dance Theatre. Reception follows in Ahernton Hilton. Tickets required.

## PUBLIC RADIO

WPSU-FM 91.1  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m. "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

## CONFERENCES

Jan. 27-Feb. 2  
Leadership Training Program, Keller Bldg. William Hartman, chair; Enc Loop, coordinator.  
Feb. 1-5  
Chemical Lehman Logistics Program, Nittany Lion Inn through Feb. 5. Contact: James Menoher, 865-7911.  
Feb. 5-6  
"Sustainable Agriculture," Nittany Lion Inn. Contact: T. Bowser/G. Peterson, 865-8301.

## SEMINARS

Thursday, Jan. 28  
Adult Education, noon, Charlotte Bldg. conference room. Barbara Shannon, on "Issues Associated with Creating a Positive Atmosphere for Adult Students at Penn State."  
Computer Science, 4 p.m., 325 Whitmore Lab. Gene Myers on "ANREP: A Pattern Matching System for Biosequences."  
Gerontology Center, 4:5 p.m., 106 Mitchell Bldg. Richard Tenser on "Assessment of Brain Disorder."

## 25-YEAR AWARDS



Observing 25 years service at the University are, from left, Richard H. Brown, acting manager, Human Resources Development, Office of Human Resources, Pat Farrell, associate professor of Leisure Studies, College of Health and Human Development; Kathy L. Harpster, operator A, Centralized Copy Center, Business Services; Nancy Stumholder, instructor in English and director of LOFT Learning Center, Penn State Schuylkill Campus, Gilbert Loshelder, engineering aide, and David L. Wallach, assistant professor of physics, both at the Penn State McKeesport Campus.

FACULTY / STAFF ALERTS

Americans With Disabilities Act

The University is beginning a major effort to assess compliance with the Americans with Disabilities Act (ADA). The provisions of the act, which has been called the most important civil rights legislation since the Civil Rights Act of 1964, prohibit discrimination on the basis of disability in employment, public services and transportation, public accommodations, and telecommunications.

It is estimated that 43 million Americans, or 17 percent of the population, are disabled. The purpose of the act is to bring into the economic and social mainstream those individuals with disabilities, and to create a clear mandate as to how that will occur. Penn State is firmly committed to achieving full compliance with the provisions of the ADA.

Many of the provisions of the ADA are not new to Penn State, but are similar to those of Sections 503 and 504 of the Rehabilitation Act of 1973. The ADA broadens these requirements, and requires compliance to the new federal Uniform Federal Accessibility Standards. These standards regulate the way facilities are constructed or renovated to accommodate people with disabilities.

A number of workshops on the employment provisions of the act already have been offered for supervisors and others with human resources responsibilities. These opportunities will continue to be available through the Human Resources Development Center, and to individual units upon request.

One of the requirements of the legislation is that institutions conduct a self-evaluation of programs and facilities to ensure that they are accessible to qualified individuals with disabilities. A team, including representatives from University Safety, Office of the Physical Plant, Facilities Resources, Human Resources, the Affirmative Action Office and the Office for Disability Services, has been planning the self-study for the University.

The study will require coordination between academic and administrative units and Physical Plant. It will include surveying facilities for such features as adequate reserved parking spaces, pedestrian traffic ramps, accessible entrances, drinking fountains, restrooms, circulation spaces, elevators, signage and telephones. A data base

will be developed as part in the identification of problem areas and the design of a transition plan for achieving accessibility using resources in the most effective and efficient ways possible.

Another portion of the self-study will survey academic programs to determine their accessibility. This process will serve to extend awareness and understanding of disabilities issues by involving personnel directly responsible for planning and providing programs. Those participating will also learn about the range of ways in which reasonable accommodations can be provided to allow persons with disabilities to successfully function in classrooms and employment environments.

The self-evaluation will begin in February with a pilot program in The Surgical College of Business Administration. Following the pilot, the process will be extended to other colleges and administrative units at University Park, and then to other locations. The Hershey Medical Center will be conducting a separate study.

Facilities coordinators in each of the units will be asked to convene a team which includes representatives from each of their major programming areas, as well as students or employees with disabilities, to assist in the review. Because of the number of buildings and complexity of programs offered by Penn State, this process is expected to take more than a year to complete.

Anyone with questions or comments concerning the ADA or the self-evaluation should contact Brenda Hamelster at 863-1807 or Bonnie Ortiz at 863-0471.

Conflict of interest

**Disclosure of Potential Conflict of Interest by Employees of the University**—Employees of the University shall exercise the utmost good faith in all transactions touching upon their duties to the University and its property. In their dealings with and on behalf of the University, they shall be held to a strict rule of honest and fair dealings between themselves and the University.

The faculty shall not use their positions, or knowledge gained therefrom, in such a way that a conflict of interest might arise between the interest of the University and

that of the individual. Employees shall disclose to the administrative head of the college or other unit in which they are employed, or other appropriate superior officer, any potential conflict of interest of which they are aware before a contract or transaction is consummated.

HealthAmerica toll-free number

The toll-free 800 number listed for HealthAmerica's Member Services Department in the Jan. 14 issue of *Intercom* was incorrect. The number to call with questions concerning new health care benefits is 800-366-6433 or (814)231-8970 Monday through Friday from 8:30 a.m. until 5 p.m. EST.

HIV/AIDS workshops

The following workshops for faculty and staff will be jointly sponsored by the Office of Human Resources and the HIV/AIDS Education Consortium in Spring 1993.

**"Why Do I Need to Know About AIDS?"** Learn the latest facts about the disease and the changes in HIV therapies that have been developed over the years. Instructor: Sally Maud Robertson, AIDS; cost: none; 1 p.m., Feb. 4, 110 Henderson Bldg.; cont. none.

**HIV/AIDS: Spread Facts Not Fear** The purpose of this workshop is to help participants become more comfortable sharing factual information about HIV/AIDS with students, colleagues and co-workers in both classroom and informal settings. Emphasis will be placed on serving as a resource/referral person for policy, education, prevention, HIV testing, treatment and other needs related to HIV/AIDS. Instructors: Mary McClanahan and Sally Maud Robertson, HIV/AIDS Education Consortium; 8:30 to 10:30 a.m. March 1, 319 Rider Bldg.; cost: none.

For further information or to register for either workshop, call the Faculty/Staff Health Promotion Office at 865-3085 or the Human Resources Development Center at 865-3410.

If you have any questions regarding the workshops, HIV/AIDS Education Consortium or HIV/AIDS prevention activities at Penn State, contact Susan Kennedy at University Health Services, 863-0461.

Proposals being accepted to recognize innovative faculty

Executive Vice President and University Provost John A. Brighton has announced continuation, in the 1993-94 budget year, of a special reward and recognition program for collaborative instruction and curricular innovation.

The awards are intended to recognize outstanding collaborative teaching efforts of faculty who also have demonstrated strengths as scholars and researchers.

The focus of the awards will be on faculty who as a group have developed innovative curricular or instructional techniques or made other special contributions to undergraduate and graduate teaching.

The focus of the awards will be on faculty who as a group have developed innovative curricular or instructional techniques

Under the program, a one percent differential salary increase will be added to the salary increment that is recommended for the faculty member through the annual evaluation process conducted by the department or unit head and dean.

Institutions for brief documentation of the teaching innovation or special effort have been designated as campus executive officers. The request made by each dean or campus executive officer may include no more than 10 percent of the faculty members in the unit or 20 faculty members (whichever is smaller). Each request must include a minimum of three faculty members. Implementation of the innovation or special effort must have occurred no earlier than Fall 1991. Faculty included in the proposals should have demonstrated strength in scholarship/research as well as in teaching.

Proposals should be submitted by deans and campus executive officers to the Provost's Office, 201 Old Main, no later than Monday, March 22.

Last year, 25 projects were submitted for consideration under the special program. Deans and campus executive officers identified 125 faculty members as possible participants in the program. After reviewing these proposals, ten projects, involving 66 faculty members, were selected to receive support.

PARTINGS

**Colleen A. Roessler**, secretary A, Undergraduate Education, from June 10, 1968, until Aug. 31, 1972, and from July 1, 1986, until Sept. 2.

**Virginia A. Streltek**, staff assistant IV at Hershey Medical Center, from Aug. 14, 1978, until Dec. 16, 1992.

**Phyllis K. Touchstone**, campus health services nurse at Delaware County Campus, from April 1, 1980, until Nov. 28, 1992.

**Barbara A. Zunic**, secretary B, York Campus, from July 1, 1980, until July 27.

**Herbert C. Jordan**, associate professor of poultry science extension, has retired after more than 32 years service.

Professor Jordan earned his bachelor's degree in poultry science from Penn State in 1956. He served as a lieutenant and squadron commander in the U.S. Air Force before joining Penn State as extension poultry specialist in 1959. He received his master's degree in poultry science from Penn State in 1962.

His applied field testing and extension education programs have focused on care of breeders, animal performance, waste conversion and poultry technology. He has taught undergraduate courses in poultry business management, and has authored more than 500 articles on poultry husbandry practices.

Professor Jordan is a member of the Poultry Science Association and the

Pennsylvania Game Breeders Association. He has served as an advisor to the Pennsylvania State Rabbit Breeders Association, the Pennsylvania Game Breeders Association and the North American Game Breeders Association. He has been a member of the Pennsylvania Poultry Federation's board of directors and Turkey Council.



Herbert C. Jordan

**Kathleen M. Wert** has retired as senior operator in the Engineering Copy Center after 20 years of service.

Ms. Wert worked in Housing Services for four years, and in 1976 she was promoted to operator at the copy center where after 16 years of service, she became group leader.

In February 1989, she received special recognition for her outstanding contribution to the center. At retirement, she gave back 200 sick days to the University.

Ms. Wert and her husband, Merle, who retired from Penn State in 1983, reside in Rebersburg. They have three sons, Roger, Jeffrey and Gregory, who is employed at Whitmore Lab at University Park. They also have 10 grandchildren; one currently studies engineering at Penn State.



# Focus on Research

Intercom  
January 28, 1993

## HEADS UP!

### Safety-minded researchers test safer football helmet



Concussion-prone football players may benefit from wearing a cap on their helmets, Penn State researchers say. "The addition of a properly designed accessory to the outside of a normal football helmet can reduce the peak forces of certain impacts," noted Gary D. Heise, former research assistant with the Biomechanics Laboratory in the University's College of Health and Human Development. Dr. Heise now teaches in the Department of Kinesiology at Louisiana State University. Dr. Heise studied such an accessory created with the goal of reducing injury and extending helmet life by Protective Sports Equipment Inc. of Erie, Pa. Working with him was Richard C. Nelson, director of the Biomechanics Laboratory. The project was funded by a Ben Franklin Partnership Program grant.

The accessory, called ProCap, is made of polyurethane and conforms to the shape of standard football helmets. Softer than a hard-shell helmet, the accessory can be attached temporarily by velcro.

According to Howard Paul, president of Protective Sports Equipment, ProCap is used in nearly 1,000 high school and college football programs — mostly as part of therapy for previously injured players. It is also used on the professional level, most notably by Mark Kelso of the Buffalo Bills.

Dr. Heise and Nelson evaluated ProCap using a model head at Penn State and a specialized test dummy at the University of Waterloo in Ontario. Tests were performed at Penn State using first a helmet only, and then a helmet with accessory for a forehead impact against a barrier at zero, 70, and 122 degrees Fahrenheit.

"We wanted to simulate conditions ranging from a frigid, northern winter game to a broiling, southern summer game," Dr. Nelson said. "This gave us some idea of

whether the accessory's performance could be affected by temperature." ProCap reduced the shock of impact — as compared to the helmet alone — under all three temperature conditions, but most noticeably during the zero degree simulation.

At the University of Waterloo, a full-sized test dummy wore a helmet with accessory during collisions with a barrier at three angles of impact — 90, 70, and 45 degrees. To simulate the materials helmets strike in game situations, a piece of artificial turf or a jersey/high pad combination was attached to the barrier for the latter two angles. "Although the helmet with accessory demonstrated more energy absorption than the helmet alone, the practical implications in terms of injuries and helmet life remain

unknown," Dr. Heise said.

For instance, the researchers could not conclusively measure the effect of the accessory on movement of the neck during impacts. Anything that lessens shock to the head will not necessarily do the same for the neck, they noted.

"We really need a comprehensive field test to address this kind of question," Dr. Nelson added. "The strongest case we can make now is that this sort of accessory may give extra protection to players who are more susceptible to concussion.

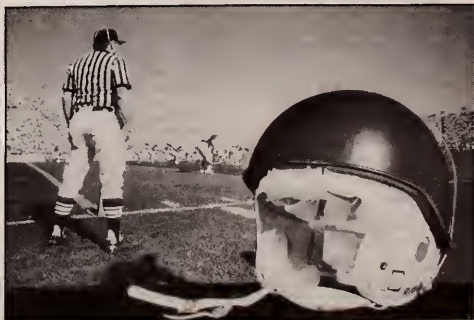
"There may also be an important secondary benefit. Namely, players may stand less chance of being injured when hit by a protected helmet than otherwise."

All U.S. football helmets already meet standards for protecting players against head injuries set by the National Operating Committee for Standards in Athletic Equipment, the researchers noted.

— Gary W. Cramer



Gary D. Heise



A helmet with the potential injury-reducing cap attached.

Photo: Greg Grieco

*"The strongest case we can make now is that this sort of accessory may give extra protection to players who are more susceptible to concussion."*

Richard C. Nelson  
director of the Biomechanics  
Laboratory

# Leaves of Absence 1993 - 1994

The following leaves of absence have been approved for 1993-94.

## COLLEGE OF AGRICULTURAL SCIENCES

E. Alan Cameron, professor of entomology, to investigate foreign pest management options, especially biological agents of control, for exotic insect pests, at the USDA European Biological Control, Montpellier, France.

David W. Hartman, associate extension agent (Columbia County), to complete a master's degree in agronomy, at Penn State.

Nathan L. Hartwig, professor of weed science, to determine methods for reducing fertilizer and residual herbicide applications for crop production using cover crops, at the Swiss Federal Research Station for Agronomy, Zurich. E. Jay Holcomb, professor of floriculture, to conduct research on saturated water flow in heterogeneous greenhouse growing media, at North Carolina State University, Raleigh.

Drew Hyman, professor of public policy and community systems, to complete development of a paradigm for sustainable economic and community development and to initiate validation and application, at the University of Florida, Gainesville.

Arun Kilara, professor of food science, to study the functionality of whey protein products in frozen dairy products, at Goodman Fiedler Ingredients Division, Sydney, Australia, and Ceramant Manufacturing Company, Broomall, Pa. Ke Chung Kim, professor of entomology, to teach and engage in research on insect biodiversity conservation and environmental policy, at Seoul National University, Korea.

Wesley N. Musser, professor of agricultural economics, to study current theories and research procedures on risk and financial management of farm firms, at Purdue University.

Dawn M. Olson, county extension agent (Monroe County), to complete a master's degree in public health, at East Stroudsburg University.

Harold R. Ott, regional director, Cooperative Extension, to complete a doctorate in educational administration, at Penn State.

Famela L. Palotta, associate extension agent (Washington County), to complete a master's degree in extension education, at Penn State.

Gary W. Petersen, professor of soil genesis and morphology, to conduct research on the improved use and management of soil and land resources using remote sensing and geographic information systems, at the Australian National University, Canberra.

Edwin G. Rajotte, associate professor of entomology, to study the adoption of integrated pest management in Australian agriculture and to develop interactive educational approaches, at the University of Queensland, Brisbane. Faye C. Richardson, senior extension agent (Northeast Region - Wilkes Barre), to conduct research on a behaviorally anchored rating scale to assess the performance of county cooperative extension directors.

Karen A. Thomas, associate extension agent (Lacawanna County), to complete a master's degree in food science, at Penn State.

Donald B. Thompson, associate professor of food science, to gain experience in the application of new physical techniques for the study of the physical properties of starch with emphasis on retrogradation behavior, at the University of Nottingham, England.

## COLLEGE OF ARTS AND ARCHITECTURE

Patricia M. Amburgy, associate professor of art education, to conduct research on the history of instruction in arts and crafts at the turn of the twentieth century in relation to class and gender decisions in American society. Sidney Cohn, professor of urban design, to conduct research on development management in urban planning, at the Man Environment Relations Research Institute, Chesapeake Beach, Md.

Marylene Dosse-Peters, professor of music, to collect and conduct research on neglected, unpublished, and unrecorded nineteenth-century French piano literature, in Paris.

Kenneth R. Graves, professor of art, to conduct a photographic study of historic spas in Budapest and Prague.

James A. Hopfensperger, associate professor of art, to design and fabricate an edition of furniture pieces for exhibition, at the University of Massachusetts-Dartmouth Art Studios, New Bedford, Mass.

Timothy P. Johnson, assistant professor of landscape architecture, to develop a computer-based landform design and visualization tool for use in the classroom.

Kenneth Kuhn, associate professor of art (Altoona Campus), to produce a series of collage and assemblage pieces for an exhibition.

John P. Lucas, professor of architecture, to produce a set of drawn architectural texts composed of hypothetical building design images and written commentary.

Robert W. Ott, professor of art education, to conduct research for a book on the critical interpretation of multicultural museum artworks, artifacts, and art objects for school curricula in North America, at the University of Toronto. Joanne Rutkowski, assistant professor

of music education, to complete research for a book on curriculum design titled *An Educate, Research-Based Approach to Music Teaching and Learning*.

Steven H. Smith, professor of music, to develop a repertoire of British contemporary piano works, at the British Music Information Centre, London.

W. Bruce Trinkley, associate professor of music, to complete a musical theatre/opera, compose a choral cycle, and conduct research on British male choral music.

Craig Zabel, associate professor of art history, to complete a study of "American Architecture circa 1946" and to develop a new area of teaching on Russian architecture.

## PENN STATE ERIE, THE BEHREND COLLEGE

Antonella Cupillari, associate professor of mathematics, to study the life and achievements of Maria Gaetana Agnesi for a book on the role of women in mathematics in Europe and the United States. Michael K. Simmons, associate professor of communications, to write a textbook on media writing and to complete a book of personal sketches and essays on outdoor recreation.

Rodney L. Troester, assistant professor of communications, to conduct research on the role of the corporate spokesperson in U.S. companies and to examine the presidency of Jimmy Carter as peacemaker.

## THE SMEAL COLLEGE OF BUSINESS ADMINISTRATION

John W. Bagby, associate professor of business law, to investigate comparative international standards of auditor liability in major legal systems, at the University of Texas, Austin.

Kalyan Chatterjee, professor of management science, to continue research on coalitional bargaining and its applications, at the Indian Statistical Institute, New Delhi and Cambridge University.

Denisa A. Gioia, professor of organizational behavior, to conduct research on cognition in organizations, at the Copenhagen Business School, Denmark. Jack C. Hays, professor of management science, to conduct a review of the literature on recent developments in manufacturing, modern production systems, and total quality management, and to enhance skills with computer software to support classes with applications.

Michael P. Hottenstein, professor of management, to study the roles of manufacturing research and development centers in large U.S. manufacturing companies.

David T. Wilson, professor of marketing, to study the use of strategic alliances to increase the competitiveness of small and mid-sized business firms in global markets in the Pacific Rim, at Victoria University of Wellington, New Zealand, and the Australian Graduate School of Management, New South Wales.

## COMMONWEALTH EDUCATIONAL SYSTEM

Carol L. Lewis, Learning Center director (New Kensington), to complete a master of education degree in English, at the University of Pittsburgh.

## SCHOOL OF COMMUNICATIONS

R. Thomas Berner, professor of journalism and American studies, to complete a monograph on John O'Hara's reportage of a 1950 New Hampshire euthanasia trial.

Patrick R. Parsons, associate professor of communications, to conduct research for a book on the history of the cable television industry.

## COLLEGE OF EARTH AND MINERAL SCIENCES

Kevin P. Furlong, professor of geosciences, to conduct research on the evolution and behavior of oceanic transform plate boundaries, at the Pacific Geoscience Centre, Sydney, British Columbia, and to develop and test teach a new course in geological natural hazards, at Middlebury College, Vt.

Derek W. Holdsworth, associate professor of geography, to conduct research on the effects of the demand for office space on the changing physical form of downtowns, at the University of Birmingham, United Kingdom.

Brian B. Torney, associate professor of environmental sciences (Altoona Campus), to conduct research in glacial eustatic effects on river basins of the American Mid-Atlantic coast, and Pleistocene glacial and periglacial geomorphology in Pennsylvania.

James P. Runt, associate professor of polymer science, to conduct research on the rheological characteristics and the diffusion and crystallization rates of mixtures of polymers and small molecules, at Eastman Kodak, Rochester, N.Y.

Thomas T. Warner, professor of meteorology, to develop improved techniques for the computer simulation of small-scale meteorological processes, at the National Center for Atmospheric Research, Boulder, Colo.

Lalman S. Yapa, associate professor of geography, to conduct research on local area economic development and economic demography, in Sri Lanka and India.

## COLLEGE OF EDUCATION

Jeanne T. Amlund, assistant professor of educational psychology (McKeessport Campus), to conduct research on the impact of computer projection as an alternative presentation mode on the undergraduate classroom instructional environment.

John H. Best, professor of education, to study race and social class issues in public and private school development in the South.

James S. Fairweather, associate professor of education, to develop a comparative evaluation framework for assessing academic program and institution quality, at the University of Twente, The Netherlands.

Roger L. Geiger, professor of education, to conduct research and write a monograph reinterpreting the evolution of American higher education in the nineteenth century.

William T. Hartman, professor of education, to study the implementation of total quality management practices in elementary and secondary schools.

Jovita Ross-Gordon, associate professor of education, to write a book on cultural diversity issues in adult education. Edmund C. Short, professor of education.

# Leaves

## Continued from Page 12

tion, to conduct a study of trends in program content and design in doctoral programs in curriculum studies in the United States and Canada, and to identify collaborative projects among Big Ten university departments of curriculum and instruction.

**Robert B. Slaney**, professor of counseling psychology, to conduct research on the construct of perfectionism in the United States.

### COLLEGE OF ENGINEERING

**Kutlegin Aydin**, associate professor of electrical engineering, to conduct research on the use of multi-parameter radar for monitoring precipitation, at Colorado State University, Fort Collins.

**John M. Cimbala**, associate professor of mechanical engineering, to conduct research on computational fluid dynamics at NASA Langley Research Center.

**Brian A. Dempsey**, associate professor of environmental engineering, to conduct research on water and wastewater treatment, and the transport of hazardous chemicals, at Elf Aquitaine, Pau, France.

**Elliot R. Eisenberg**, professor of general engineering (Hazleton Campus), to collaborate on the sixth edition of *Vector Mechanics for Engineers*.

**Karl S. Kunz**, professor of electrical engineering, to conduct research on large-scale electromagnetic coupling modeling, at the Lawrence Livermore National Laboratory, University of California.

**El-Amine Lethief**, associate professor of industrial engineering, to conduct research on tolerance verification and to acquire new skills in experimental techniques in deterministic quality control of matched pairs, at the National Institute of Standards and Technology, Gaithersburg, Md.

**Mark D. Maughmer**, associate professor of aerospace engineering, to conduct research on natural laminar flow aerodynamics, at the Delft University of Technology, The Netherlands.

**Michael F. Modest**, professor of mechanical engineering, to study high power lasers and laser processing techniques, at IFW, Stuttgart, and BIAS, Bremen, Germany.

### PENN STATE HARRISBURG

**Alli A. Behagi**, associate professor of engineering, to prepare a laboratory instruction manual for courses on microwave and satellite communication.

**Melvin Blumberg**, professor of management, to make field visits and write a textbook on total quality management.

**John S. Patterson**, associate professor of human studies and history, to explore the relationships between broadcasting, particularly public and alternative radio, and patterns of community in twentieth-century America.

**James T. Ziegenfuss Jr.**, associate professor of management and health care systems, to conduct research on comparative health systems and quality improvements in different international settings.

### COLLEGE OF HEALTH AND HUMAN DEVELOPMENT

**John L. Beard**, associate professor of nutrition, to conduct research on the gene expression of the ferritin molecule within

the context of thyroid status, iron status, and development, at North Carolina State University, Raleigh.

**S. Diane Bramson**, associate professor of health policy and administration, to conduct research on the diffusion of innovation in the nursing home industry, at the Sheps Center for Health Services Research, University of North Carolina, Chapel Hill.

**Frederick R. Eisele**, associate professor of health policy and administration, to integrate the theoretical and practical knowledge of total quality management derived from hospitals and health care management education.

**Patricia B. Koch**, associate professor of health education, to conduct research on HIV/AIDS knowledge, attitudes, and behaviors among young adults, at Indiana University and the Kinsey Institute, Bloomington.

**Larry K. Olson**, professor of health education, to implement and evaluate a prototype comprehensive elementary school health education program in a demonstration school in Cidra, Puerto Rico.

### COLLEGE OF THE LIBERAL ARTS

**Vicki Abt**, professor of sociology (Ogontz Campus), to complete a book on the influence of popular media culture on social and anti-social behavior.

**Deborah F. Altwater**, associate professor of speech communication, to examine the coalition-building role of rhetoric in the campaigns of Mayors David Dinkins, Wilson Goode, Kurt Schmoke, and Michael White, at Temple University.

**Thomas A. Beebe**, associate professor of comparative literatures and German, to complete a book on how fictional texts are used to explore issues in aesthetic theory.

**Thomas D. Borkovec**, distinguished professor of psychology, to conduct research on the integration of cognitive, affective, and psychophysiological factors in anxiety disorders and their treatment.

**Eugene N. Borza**, professor of ancient history, to collaborate on a new Classical atlas and to write a brief monograph on Macedonian scholarship, at the American School of Classical Studies, Athens.

**Gerard J. Braut**, Edwin Erle Sparks professor of French and medieval studies, to prepare the text and critical apparatus of an analytical edition of Thomas' *Tristan*, and Anglo-French medieval romance.

**Ronald E. Buckalew**, associate professor of English, to complete a critical edition of *Aelfric's Old English Latin Grammar and Glossary*, in Chicago.

**Parris H. Chang**, professor of political science, to study the democratization of Taiwan, in Taiwan.

**David H. Chamey**, associate professor of English, to conduct research on the way in which scientists and engineers learn to follow and adapt to the conventions of specific types of writing, at the Applied Psychology Unit, Cambridge, England.

**Gary L. Collison**, associate professor of English (York Campus), to prepare a book-length edition of accounts of fugitive slave cases 1850-1861.

**N. Edward Coulson**, associate professor of economics, to conduct research on the impact of local conditions on economic growth.

**John Dolis**, associate professor of English (Workington-Scranton Campus), to complete a book-length manuscript titled *Thoreau and Subjectivity: Building, Dwelling, Being*.

**James Eisenstein**, professor of political

science, to conduct research and write a monograph titled "Financing Pennsylvania's Elections."

**Venonique M. Foti**, assistant professor of philosophy, to write a book titled *Hedegger and Heidegger: The Reappropriation of Ancient Greece in New York City*.

**Malcolm D. Hill**, associate professor of sociology (Alhona Campus), to complete research on adult students in higher education.

**Claire Hishfield**, professor of history (Ogontz Campus), to prepare a biography of feminist Lena Ashwell, an Edwardian actress and social activist.

**Rick R. Jacobs**, associate professor of psychology, to conduct research on organizational factors related to safe work practices in the nuclear power industry, at the Brookhaven National Laboratory, the Swedish Nuclear Inspectorate, Stockholm, and SRD, United Kingdom.

**Dale L. Jaquette**, associate professor of philosophy, to write a book on philosophical paradoxes.

**Richard G. Kane**, associate professor of English (Mort Alto Campus), to complete a book on British author Bruce Chatwin.

**John E. Martz III**, distinguished professor of political science, to complete research on a comparative study of political parties in Venezuela, Colombia, and Ecuador.

**Stephen D. Mastrofski**, associate professor of administrative justice, to prepare a book-length manuscript on contemporary police reform in America.

**Sally A. McMurry**, associate professor of history, to write a monograph which interprets maps of a New York State farm to analyze crop choice, rotations, livestock management, and woodland cultivation.

**John C. McWilliams**, associate professor of history (DuBois Campus), to conduct research and write a book-length manuscript titled *America's Hundred Years' War: The Politics and Policies of Drug Control*.

**Rajen Mookerjee**, associate professor of economics (Beaver Campus), to conduct research on the role and importance of financial markets and public enterprises on the economic development of Asian economies, at the Indian Institute of Management, Calcutta.

**Carla J. Mulford**, associate professor of English, to complete a book-length manuscript titled *Benjamin Franklin and the Discourse of Envy: The Writings on Native Americans*.

**William A. Penak**, professor of history (Ogontz Campus), to write a biography of Evelyn P. Pluhar, associate professor of philosophy (Fayette Campus), to complete a book-length manuscript titled *The Moral Significance of Humans and Other Animals*.

**P. Peter Rebane**, associate professor of history (Ogontz Campus), to conduct research on crime and court systems in medieval Europe, at University of Tartu, Estonia.

**John J. Selzer**, associate professor of English, to study the work of Kenneth Burke, an American rhetorical and literary theorist.

**Adam J. Sorkin**, associate professor of English (Delaware County Campus), to produce book-length translations of the poetry of Romanian poets Liliana Ursu, Marin Sorescu, and Mircea Dinescu.

**Mary Strauss-Noll**, associate professor of English (New Kensington Campus), to study the fictional and personal writings of British writer Antonia White.

**Jane Sutton**, associate professor of speech communication (York Campus), to write a book on classical rhetoric titled

*The Birth and Death of Rhetoric*.

**Kenneth A. Thigpen**, associate professor of English, to write a book-length study exploring consciences of comedy in American culture.

**Nancy J. Wyatt**, associate professor of speech communication (Delaware County Campus), to conduct a study of group processes and organizing procedures of volunteer groups.

### COLLEGE OF MEDICINE

**Barry G. Baylen**, professor of pediatrics, to acquire skills in the medical management of pediatric cardiac transplant patients, at Columbia University, and the UCLA Medical Center.

**Wes P. Bhawanandan**, professor of biological chemistry, to conduct research on tumor biology and immunology, at the University of Tokyo.

**Joseph A. Gascho**, professor of medicine, to gain essential skills related to the development of a database in cardiology and to coordinate the initial implementation at the Hershey Medical Center.

**Frederick A. Hensley Jr.**, associate professor of anesthesia, to develop skills in transesophageal echocardiography in the operating room and to edit the second edition of *The Practice of Cardiac Anesthesia*.

**Howard E. Kulin**, professor of pediatrics, to conduct research on diverse environmental effects on growth and reproduction in Eastern Europe and Eurasia, at the University Hospital, Copenhagen.

**Donald P. Lookingbill**, professor of medicine, to conduct research on cutaneous and biochemical markers of androgen action, to include the medical Center of native African subjects, and to broaden clinical skills in tropical dermatology, at the Regional Dermatology Training Center, Moshi, Tanzania.

**Richard B. Tenser**, professor of medicine, to investigate the immunological alterations induced by viral infections and viral immunizations.

### EBERLY COLLEGE OF SCIENCE

**James B. Anderson**, professor of chemistry, to study and conduct research in exact quantum mechanics, at the University of Pierre and Marie Curie, Paris.

**Richard N. Barsinger**, associate professor of mathematics (Workington-Scranton Campus), to conduct research on problems with thin oblate symmetry.

**Moses H. W. Chan**, distinguished professor of physics, to conduct collaborative research in the effect of disorder on continuous phase transition, at Northwestern University.

**Ernst D. Feigelson**, professor of astronomy and astrophysics, to develop advanced astrophysical models of non-thermal processes in young stars and conduct radio observations of southern X-ray sources, at the University of Sydney and the Australia Telescope National Facility, Sydney.

**Kyong T. Han**, professor of mathematics, to conduct research on the equivalence problem of invariant pseudometrics on pseudoconvex domains, at Jagiellonian University, Cracow, and the Mathematics Institute of the Polish Academy of Sciences, Warsaw.

**Ernest J. Hahn**, professor of chemistry, to conduct research on the role of non-enzymic reactions in the metabolism of biological systems.

# First Building "topped-out" at the Research Park

## Vital Statistics

Although the topping-out ceremonies scheduled for Jan. 22 for the Hotel and Conference Center at the Research Park were canceled because of winter weather, progress at the park continues on schedule. The ceremony was to celebrate placing the highest steel beam in place for the five-story, 240,000-square-foot hotel and conference center, marking substantial completion of the steel framework for the first of the park's three Phase A-1 buildings, now under construction.

In lieu of the ceremony, David A. Shirley, president of the Penn State Research Park Management Corporation, senior vice president for research and dean of the Graduate School, gave the Board of Trustees an update on the progress of the Park.

"In 1987, the Board of Trustees embarked upon an eight-point program to support economic revitalization in the Commonwealth by broadening the resources available to the University and by forging partnerships with the public and private sectors," he said. "The development of a Research Park was a major element of this program and a logical extension of the University's historic pattern of participation in economic development."

Upon its completion in the spring of 1994, the 150-room hotel will be managed by Scanticon International Corp. The Conference Center, which adjoins the hotel, will be operated by Penn State's Division of Continuing Education and will house the Conference Center staff.

Also under construction are a 50,000-square-foot research and development laboratory, which will house Penn State research programs, a 53,000-square-foot technology center, which will house the offices of the Penn State Economic Development System, and a business incubator operated by the Centre County Industrial Development Corp. Both of these buildings are slated for completion in late fall 1993.

"These buildings," Dr. Shirley said, "are evidence of our most impressive commitment to economic

**Developer of Phase A-1 of the park:** Morlok Vernon Group is a real estate development company with offices in Haddonfield, N.J., and Philadelphia that provides real estate advisory services to a wide range of clients. It specializes in partnerships with governmental, institutional and not-for-profit organizations such as a 480-unit housing project for Rutgers University.

**Construction Management:** Conducted by Lehrer McGovern Bovis, Inc. of Princeton, N.J., the second largest construction management firm in the United States. The company has managed projects for a number of colleges and universities across the country, including Princeton and Rutgers universities, as well as government and business centers and large multi-proposal complexes abroad, such as Euro-Disneyland in Paris and Canary Wharf Complex in London.

**Architects:** Geddes Brecher Qualls Cunningham of Philadelphia, which specializes in providing design services to not-for-profit institutions and has won more than 50 major awards for its innovative building technology and design. In addition to the design and guidelines for the Research Park's future development, the firm also designed Penn State's new Biomedical Research Building at the Hershey Medical Center. They recently completed the Franklin Institute Futures Center and the Annenberg Research Institute.

**Master Planning and Landscape Architecture:** EDAW, Inc. of Alexandria, Va. is an international design firm involved in a broad range of governmental and private projects. Current projects include site design of the Cultural Resources Center for the National Museum of the American Indian.

**Civil Engineering:** Provided by Sweetland Engineering & Associates of State College, who also are civil engineers for the Centre Medical Sciences Building now under construction near Centre Community Hospital.

development. This phase of the Research Park with nearly 350,000-square-feet of office, laboratory, hotel and conference facilities will have a substantive impact in employment for the Centre Region and the Commonwealth.

"In fact, we currently are negotiating actively with

companies not only in Pennsylvania, but in other states as well, that stand not only to help us complete the occupation of this phase of development, but will have us embarking on the next phase in 1993."

## Leaves

### Continued from Page 13

**Thomas P. Hettmansperger**, professor of statistics, to study the techniques of weak convergence of distribution functions, at the University of Washington, and to conduct collaborative research in Europe and Australia.

**Donald G. James**, professor of mathematics, to complete research on the representations of quadratic forms, and to study the geometries associated with the automorphism groups of forms, at the University of Auckland, New Zealand.

**Ronald R. Keiper**, distinguished professor of biology (Mont Alto Campus), to study the development of social organization in Przewalski horses, at the Technical University of Munich, Germany.

**Nicholas M. Miskovsky**, associate professor of physics (Altoona Campus), to collaborate on a study of electron emission sources, tunneling through small nanostructure devices, and interaction of electric fields with adsorbed atoms, at the Institute of Physics, Academia Sinica, Taiwan.

**Thomas M. Pannaparayil**, professor of physics (Shenango Campus), to study the recording characteristics of barium ferrite magnetic media for use in high-resolution magnetic recording, at Carnegie Mellon University and Penn State Erie, The Behrend College.

**Steven M. Weinreb**, Marker professor of chemistry, to study the applications of catalytic antibodies in organic synthesis, at the Scripps Research Institute, San Diego.

**Roy F. Willis**, professor of physics, to conduct research on materials physics using the Advanced Synchrotron Light Source, at Lawrence Berkeley Laboratory, University of California.

### UNIVERSITY LIBRARIES

**Dennis J. Phillips**, associate librarian (Allentown Campus), to conduct research and prepare a monograph identifying sources of information on lawn tennis.

### OBITUARIES

**Boris J. Kochanowsky**, professor emeritus of mineral engineering management, died Dec. 17 at the age of 87. He served as a member of the University faculty from 1953 until his retirement in 1970.

In 1968, he designed and founded the interdisciplinary Master of Engineering degree program in Mineral Engineering Management at Penn State, the first such program to be established in the United States to educate engineers seeking executive positions in production management in the mineral and heavy construction industries.

Dr. Kochanowsky specialized in the theory and technology of blasting, and was the early developer of the technique of inclined or angle drilling to reduce blasting costs in mining. During the 1950s he served as a consultant to the director of mines in Germany and to the head of energy programs in Argentina, in addition to several U.S. government agencies. Following his retirement from the University, he established the International Mining Consulting and Development Corporation.

Co-author of three textbooks on open pit mining and author of numerous papers on mining topics, Dr. Kochanowsky was a member of the American Institute for Mining, Metallurgical, and Petroleum Engineers and the American Society for Engineering Education. He was listed in *Who's Who in America*, *American Men of Science*, and *Leaders in American Science*.

He received the Diplôme Ingénieur in mine surveying in 1927 and in mining engineering in 1929 from the Bergakademie, Freiberg, Germany. In 1955 he was awarded the doctor of engineering degree from the University of Clausthal, Germany. Memorial contributions may be made to the

Boris J. Kochanowsky Memorial Fund, Office of University Development, 1 Old Main, University Park.

**G. Warren Marks**, associate professor of civil engineering, died Nov. 28. He was 53.

A graduate of Cornell University with a bachelor of science degree in civil engineering, he received a master of science degree from Cornell and a doctorate from the University of Illinois at Urbana-Champaign, Ill.

In 1978 he became a member of the civil engineering faculty at Penn State, where his main responsibility was in surveying and the photogrammetry area.

Prior to joining the University faculty, he was an assistant professor and visiting professor at Purdue University. He also had been an instructor at the University of Illinois and a physical scientist at Rome Air Development Center, Rome, N.Y.

In 1985, Dr. Marks received the Outstanding Adviser Award from the Penn State Engineering Society. Among other awards, he received a Presidential Citation for Exceptional Service from the American Congress on Surveying and Mapping in 1985, the Surveying and Mapping Award from the American Society of Civil Engineering in 1980 and a special recognition for outstanding service from the Pennsylvania Society of Land Surveyors in 1992.

A member of the American Society of Civil Engineering, he was chairman of the society's Engineering Surveying Division from 1980 to 1984.

Memorial contributions may be made to the G. Warren Marks Memorial Fund, Department of Civil Engineering, 212 Sackett Building, University Park.

## FROM THE TRUSTEES DOCKET

## Penn State outreach programs aiding Pennsylvanians

Nearly one-third of all Pennsylvania households benefit from Penn State outreach programs each year, the Board of Trustees has learned. These include hundreds of credit and non-credit educational and technical assistance programs that extend the knowledge of the University to individuals and groups throughout the world.

"Our University must continue to respond to the changing needs of an increasingly diverse student population, from older place-bound students to a workforce that will need more retraining as they move through several job changes most can expect to face during their careers," James H. Ryan, vice president for continuing education, said.

"The strength of the Penn State programs is that they are all based in the academic colleges or academic support units and involve faculty working with the outreach delivery units," he added. "They are designed to meet the life-long learning needs of professionals in the medical, technical, business, scientific, legal and education fields as well as the educational needs of students at the University, in the work place and at home."

Economic development has long been a focus of Penn State outreach programs. PENNTAP, the Pennsylvania Technical Assistance Program that offers technology consulting, has served more than 11,000 companies. The Office of Economic Development and Technology Transfer, which includes the Ben Franklin Partnership, has attracted more than \$26 million in venture capital, attracted or retained more than 6,000 jobs, and created or expanded almost 600 companies.

One of Penn State's newest collaborative outreach programs is a \$260,000 Economic Adjustment Project in cooperation with the Philadelphia mayor's office that will meet the needs of up to 13,500 civilian workers as the Philadelphia Naval Shipyard is closed over the next five years.

Acknowledged as a pioneer in distance education by satellite, data line and other technologies, Penn State offers a master's degree program in acoustical engineering by satellite to Washington, California and Pennsylvania. More than 230,000 law enforcement and corrections officials at 4,000 sites have access to University faculty members in the Department of Administration of Justice through the Law Enforcement Television Network.

Independent Learning, now celebrating its 100th-year anniversary, enrolls 31,000 from Pennsylvania and 46 countries abroad in subjects as diverse as anthropology and waste water management. Marines stationed around the globe can earn associate degrees in business and general arts and sciences from Penn State.

"While outreach activities at Penn State are directed by several academic or administrative units, Penn State's newly appointed Council on Outreach and Academic Service will coordinate programs for the best use of resources," Dr. Ryan said. "Most of these programs are largely self-supporting, funded by grants or gifts, by federal and state subsidies or by participant fees."

## CARPOOLER

Philipsburg carpool is seeking fourth person to join and drive alternating days to University Park. Work hours are 8 a.m. to 5 p.m. Monday thru Friday. Please contact Valarie at 865-7696 or Linda at 865-1352 for details.

## Palmer Museum of Art nearing completion; board acts on Music Building II plans

The new Palmer Museum of Art is one step closer to its grand reopening.

The Board of Trustees has approved the naming of spaces in the museum, which is scheduled to reopen in late August 1993. The spaces are named to recognize generous donor contributions.

The lobby will be known as the Christoffers Lobby in honor of Katherine W. and William F. Christoffers.

The gallery of contemporary art was named the David and Gerry Pincus Gallery of Contemporary Art and will be known as the Pincus Gallery of Contemporary Art.

Asian and African art will be housed in the Harold L. and Edythe B. Tonkin Gallery. It will be known as the Tonkin Gallery of Asian and African Art.

The Benjamin and Lillian K. Snowiss Gallery will house American art. It will be known as the Snowiss Gallery of American Art.

The outdoor sculpture garden was named the Donald W. Hamer Sculpture Garden and will be known as the Hamer Sculpture Garden.

Signage for the new museum kitchen will read:

"This kitchen was funded by a gift from Richard and Sally Kalin," and for the new museum store: "The museum store was funded by a grant from the Friends of the Palmer Museum of Art."

Charles W. Moore, a fellow of the American Institute of Architects, Austin, Texas, and the firm of Arbones King and Associates of Stony Creek, Conn., designed the new addition for the Palmer Museum of Art. The addition, which reorients the museum to face Pattee Library across a plaza entry, doubles the size of the museum. Mr. Moore is one

of America's foremost architects and one of the founders of the postmodern movement in architecture.

## In approved final plans

● The other final plans and authorized the University to obtain bids and award contracts for construction of the Music Building II at University Park.

The two-story, 35,000-square-foot structure will be located north of the existing Music Building and west of the Arts Building. It will be connected



Architect's rendering of Music Building II at University Park.

to both buildings on the ground floor and by pedestrian bridges at the second floor.

The Music Building II will include a library, offices, practice rooms, technical laboratories for electronic music, a classroom and two ensemble rooms.

Architect for the project is the Ewing Cole Cherry firm of Philadelphia. Total project cost is \$5 million with an additional \$390,000 to be expended on site utility work to accommodate the building.

## Center for Cell Research to transfer from College of Science to Intercollege Research Programs

The Board of Trustees has approved the transfer of the Center for Cell Research from the Eberly College of Science to the Intercollege Research Programs in the Office of the Senior Vice President for Research and Dean of the Graduate School.

CCR is one of 16 NASA centers for the Commercial Development of Space. The Center's mission is to stimulate interest, involvement and investment in commercial biomedical and biotechnological space projects. It was established in 1987 in the Department of Molecular and Cell Biology in the Eberly College of Science through a five-year, \$5 million grant. The center now receives approximately \$3 million each year from NASA. U.S. pharmaceutical and biotechnological companies contribute to CCR projects as well.

W.C. Hymer, CCR director and professor of biochemistry, said, "The center provides initial access to space for U.S. companies, helps plan and conduct R&D for industry-defined projects, and transfers the technology and services it develops to commercial providers."

"We currently are working with more than 30

companies throughout the United States. We are able to serve this broad a base of commercial partners thanks to our dedicated corps of scientific affiliates."

Faculty members from the Colleges of Agricultural Sciences, Engineering, Health and Human Development, and Science are center scientific affiliates. These affiliates, along with others from 25 U.S. universities, form a nationwide network which provides CCR's commercial partners with space experiment planning, postflight analysis and hardware development expertise.

Trustees also reviewed a change in the master of management program, an intercollege graduate program offered at Penn State Great Valley.

The option, already approved by the Graduate Council, would allow students to substitute three additional 3-credit courses for the 3-credit research project. This would increase total credit requirements from 33 to 39 for those selecting this option.

The change would improve the breadth of the program and increase graduation rates, among other benefits.

**PENN STATERS**

Jean-Marc Ballag, professor of soil microbiology, presented a paper titled "Interactions Between Pesticides and Sediment Organic Matter" at a "Table Ronde Roussel Uclaf" sponsored by the Institut Scientifique Roussel in Paris, France. He also presented a seminar titled "Detoxification of Pollutants through Binding to Humic Substances" at the Centre de Pedologie Biologique in Nancy, France

Rufus Chaney, adjunct professor of agronomy, has been named fellow of the American Society of Agronomy and the Soil Science Society of America.

Janice Derr, managing director of the Statistical Consulting Center in the Eberly College of Science, gave an invited paper, "How to Increase Effectiveness in Statistical Consulting and Collaboration," at the 16th International Biometric Conference in Hamilton, New Zealand.

Frank Deutsch, professor of mathematics, gave an invited talk, "The Method of Alternating Projections: Theory and Applications," at the 38th Colloquium in the Mathematical Sciences of Quebec in St-Jean, Quebec, Canada.

Chris Dubbs, assistant professor of creative writing at Penn State Erie, The Behrend College, has been awarded a \$5,000 grant from the Pennsylvania Council on the Arts. Using the grant, he will complete a series of stories he's working on about returning World War II veterans and the French war bride who accompanies one of them.

Henry Gerhold, professor of forest genetics, has received the 1992 award for Outstanding Achievement in Urban and Community Forestry from the Pennsylvania Forestry Association and the Pennsylvania Nurserymen's Association.

Richard L. Gordon, professor of mineral economics, has been named winner of the 1992 Energy Economics Award presented by the International Association for Energy Economics for outstanding contributions to the field and its literature.

Jean Hill, interior design coordinator in Housing and Food Services, received a design award from the Association of University Interior Designers for her design for the women's residence hall in the Pollock Complex at University Park.

Patricia Hinchey, assistant professor of educa-

tion at the Penn State Worthington Scranton Campus, has been appointed editor of the Eastern Educational Research Association (EERA) Newsletter.

Christopher S. Ruf, assistant professor of electrical and computer engineering, has been elected a senior member of the Institute of Electrical and Electronics Engineers.

Roberta L. Salper, head of the Division of Humanities and Social Sciences at Penn State Erie, The Behrend College, has received a special Foremother Award from the University of Pittsburgh for teaching the first women's studies course in the country, "The History and Social Role of Women." The course served as the foundation for what would later become a women's studies program.

James K. Shillens, acting executive director of the Bioprocessing Resource Center, has been appointed chairman of the Biotechnical Processes Task Group for the American Society for Testing and Materials (ASTM).

Michael A. Snyer, professor of human development in the College of Health and Human Development, has been named a charter fellow in the American Association of Applied and Preventive Psychology in recognition of his contributions to applied psychological science in the public interest.

Roger C. Thompson, assistant professor of aerospace engineering, has received a Certificate of Recognition from NASA and the American Society for Engineering Education in recognition of outstanding work as a NASA/ASEE Fellow during the 1992 summer.

Ming Tien, associate professor of molecular and cell biology, gave a plenary talk on genetic manipulation of resources at the International Conference on Manipulation of Rumen Microorganisms to Improve Efficiency of Fermentation and Ruminant Production at the University of Alexandria, Alexandria, Egypt.

Thomas Watschke, professor of turfgrass science, has been named a fellow of the Crop Science Society of America.

Fredrick C. Wedler, professor of biochemistry in the Department of Molecular and Cell Biology, served as a visiting scholar at the Louis Pasteur University Neurochemistry Center in Strasbourg, France.

# Future of University is topic of two upcoming WPSX-TV shows

WPSX-TV will air two half-hour television shows during the next two weeks detailing the work of the University Future Committee.

The first show, titled "The Future of the Pennsylvania State University: A Conversation with President Joab Thomas," will be telecast at 7:30 p.m. Sunday, Feb. 7.

Host Kathleen Pavelko discusses the decisions that led President Thomas to form the Future Committee in March of 1992 and asks him to make some predictions of the future he sees for the University.

The second show, titled "The Future of the Pennsylvania State University: A Conversation with Members of the Future Committee," is scheduled to air at 7:30 p.m. Sunday, Feb. 14. During this interview, Ms. Pavelko interviews three members of the committee, including faculty members James Smith and Barton Browning and student Hina Khan.

The three members discuss the work they have been involved in during the past nine months as they have participated in the Future Committee process and review the next stages in the process.

President Thomas appointed the University Future Committee in March of 1992 to help focus University resources on quality during a time when national and state economies might suggest that is not possible.

## PROMOTIONS

**Staff**  
Jennifer M. Aldinger to staff assistant V at Hershey Medical Center.  
Scott E. Christensen to staff nurse/nurse clinician at Hershey Medical Center.  
Sharon A. Coons to administrative assistant II at Hershey Medical Center.  
Jeffrey R. Daniels to maintenance worker, general A at Ogotz.  
Donna R. Dupps to staff assistant VII at Hershey Medical Center.  
Hope M. Hamill to staff assistant VIII at Penn State Harrisburg.  
Leslie S. Hayes to senior employment specialist in Office of Human Resources.  
Carol M. Hanosek to manager, Administrative Services at Hershey Medical Center.  
Claudia J. Holtzman to

senior technical specialist at Hershey Medical Center.  
Susan K. Howes to staff assistant VI at Hershey Medical Center.  
Marquerite Infantino to program assistant at Hershey Medical Center.  
Jerome R. Itinger to associate director for contracts in Research and Graduate School.  
Nancy R. Long to director of administrative services in the Division of Development and University Relations.  
Michael P. McCurdy to research technician at Hershey Medical Center.  
Lisa D. McMonagle to staff assistant VI in University Libraries.  
James D. Musser to maintenance foreman at Altoona Campus.

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January 28, 1993  
Vol. 22, No. 18

## PENN STATE



## INTERCOM

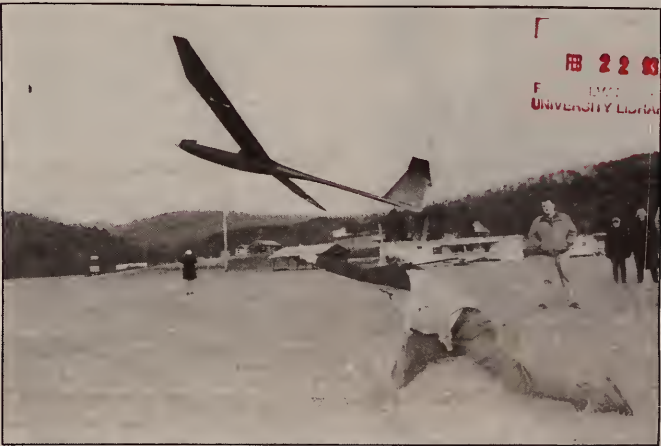
Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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**Smooth sailing ...** A composite, radio-controlled sailplane designed and built by Penn State aerospace students was launched Jan. 28 as part of an aerospace engineering course project designed by David W. Jensen and Mark D. Maughmer, both associate professors of aerospace engineering. The unique course involves students from first year to graduate level in a corporate-style organization functioning as a small airplane company. The glider, shown here, is a one-sixth scale model of a full-scale sailplane that students are designing and will build, test, and fly during the next two years.

Photo: Greg Grieco

## New budget format to aid reader comprehension

The University is developing a new open budget format designed to make the materials more understandable.

In a report to the Board of Trustees at its Jan. 22 meeting, President Thomas said the University administration hopes to have the open budget in its new format placed in the libraries sometime in February.

"As we have gotten deeper into the work of the Future Committee, and particularly with our related work with students in this area," Dr. Thomas said, "it's become increasingly apparent to us that the open budget materials that we post in the University Libraries systemwide are not readily understood, particularly by first-time readers.

"In addition to clarifying the information we already provide, we will be including an expanded budget and budget-related information in the new open budget document. For example, we will present budgeted expenditures by college and department not only for the current year, but also for the last year, so that users can easily analyze changes from one year to the next."

Under the new format, expanded budget-related information for all units will include five-year trend data on budgeted expenditures and the number of full-time equivalent employees. For acaden-

See "Budget" on Page 3

### Real-life CQI stories

## Shared leadership is key; commitment is crucial

Continuous Quality Improvement is a tool used to study processes for improvement. It is the team that makes CQI work smoothly. The team is made up of persons who work closely with an unidentified process.

Frequently, the leader is often the person who manages the process being studied. The facilitator is often a person outside the unit who brings an objective, neutral viewpoint to the team. Working closely with the leader, the facilitator is a co-captain of a CQI team.

"The CQI model stresses that both the team leader and the facilitator work with the team to set the ground rules, encourage participation by team members, and keep the team moving toward the goals," said Louise Sandmyer, director of the CQI center.

It is important for team leaders to give facilitators an opportunity for shared leadership, according to Ms. Sandmyer.

Plus, a team's performance will be greatly influenced by the co-captains' individual behaviors. Some positive practices include listening well, showing respect to each participant, and building consensus.

"The facilitator is responsible for guiding the process," Ms. Sandmyer explained.

William Farnsworth, facilitator for The Smeal College of Business Administration Intake and Reception Team, noted, "The role is a challenge with regard to knowing how and when to use the strengths of team members; it also allowed me an opportunity to use skills related to consensus-seeking, conflict resolution and group productivity. Eventually, team members took ownership of the project and shared in the leadership duties."

See "CQI" on Page 12

## Private support to University growing

Private support to Penn State totaled \$33.7 million for the six months ending Dec. 31, 1992, up nearly 17 percent from the same period a year ago.

Gift totals increased by more than \$1 million in each of four categories — alumni, corporations, foundations, and other organizations — and increased by nearly \$300,000 in the individual friends category, according to the Office of University Development.

"We're especially grateful for this generous response from our alumni and friends since it comes at a time when the University's financial resources are stretched to their limits," President Thomas said. "Private dollars cannot replace public appropriations, but they are nevertheless critical to securing Penn State's academic future."

Gifts for the first six months of the 1991-92 fiscal year totaled about \$28.9 million. The University received a record \$63 million for the entire year ending June 30, 1992.

Dr. Thomas noted that a highlight for the current fiscal year is a 10 percent increase in alumni donors. The number of alumni who made gifts grew from 26,622 in the first half of fiscal 1992 to 29,186 this year.

"However, I would caution against assuming that we're going to have another record year simply because we're ahead of last year's pace," he said. "We still have nearly six months to go and anything can happen. But I do think we have reason to be optimistic."

As of Dec. 31, 1992, gifts from alumni totaled \$9.3 million; friends, \$4.4 million; corporations, \$10.7 million; foundations, \$4.9 million, and other organizations, \$4.3 million.

GIFT UPDATE	
What follows is a gift total for the past year, as of Dec. 31, 1992, in millions of dollars.	
Alumni.....	\$9.3
Friends.....	\$4.4
Corporations.....	\$10.7
Foundations.....	\$4.9
Other organizations.....	\$4.3

## University to host Smithsonian exhibit

Penn State will be one of only two universities this year to host the worldwide traveling Smithsonian exhibition "Songs of My People," when the exhibit is on display Feb. 6 through March 21 in the Paul Robeson Cultural Center at University Park.

The highly-acclaimed collection of black-and-white photographs is a visual exploration of Black life in America. Since beginning its three-year national and international tour last year, the exhibit has been hailed for its sensitive and balanced portrayal of African/Black Americans in all walks of life. Fifty-five of the 152-piece collection will be displayed at Penn State.

"The exhibition includes works by more than 50 of the nation's finest Black photojournalists, and provides viewers with the opportunity to better understand and appreciate the rich threads African/Black Americans contribute to the fabric of this nation," said Lawrence W. Young Jr., Paul Robeson Cultural Center director. "We feel honored to host this exhibit."

In addition to touring the nation, the exhibit will be displayed in Rome and Milan, Italy; Madrid; and Montreux, Switzerland. The collection is tentatively scheduled for an Indiana University visit in April.



"Songs of My People" ... This cover photograph from the book *Songs of My People* was shot by Keith Hadley and is part of the 152-piece traveling Smithsonian exhibit on display at University Park from Feb. 6 through March 21.

### DIVERSITY BRIEFS

#### BLACK HISTORY MONTH

##### McKeesport Campus

The Penn State McKeesport Campus will host a series of events to celebrate Black History Month. Lectures and performances will be held in the Buck Union Building and are open to the public at no charge.

At 1:30 p.m. Feb. 9, Winifred Coachman, director of Pittsburgh Black Action, will speak on "Decolonizing the Mind: Toward Black Mental Liberation."

From Feb. 15 through 19, the art work of Joanne Bates will be on display in the Frable Building Conference Center from 8 a.m. to 5 p.m. The official opening of the show and a reception for Ms. Bates will be held at 7 p.m. Feb. 15 in the Frable Conference Center.

At 7 p.m. Feb. 17, the Jassu Ballet, a traditional African dance ensemble, will perform through dance, music and masquerade.

At 1:30 p.m. Feb. 25, Chisha-Miso Rowley will discuss "Afrocentricity and Black Studies: Ideologies and Paradigms." Ms. Rowley is a graduate of Penn State in Black Studies and currently is a graduate student at the Indiana University of Pennsylvania.

##### Penn State Bookstore

The General Book Department at the Penn State Bookstore on Campus is presenting a display titled "A Heritage in Print—African American History Month Celebrated." This display explores the diverse history and the current achievements of African Americans.

The books will remain on display throughout February and the majority are available at the Penn State Bookstore on Campus throughout the year. The General Book Department also can special order any book not among those on display. The collection will be discounted 20 percent during February.

Presented in the General Book Department, the significant display of books by African American authors, books on African American history, arts and social issues, philosophy, photography, children's books and other books of African American interest are arranged for ease of browsing and are pertinent to all ages and cultures.

##### York Campus

"Black Women: Achievements Against the Odds," an exhibition on Black women and their contributions to American history, culture and society, will be on display at the Penn State York Campus throughout February in commemoration of African-American History Month. The exhibit, in the hallway of the Conference Center in the Main Classroom Building, is free to the public.

More than 200 years of history is represented in this set of 20 posters produced by the Smithsonian Institution Traveling Exhibition Services (SITES).

"Black Women: Achievements Against the Odds," will be on display, complete with accompanying printed materials, through Feb. 26. Exhibit hours are Monday through Thursday, 8 a.m. to 9 p.m.; and Fridays, 8 a.m. to 5 p.m. For more information, call (717) 771-4126.

### ☪ DIVERSITY OPPORTUNITIES CALENDAR ☪

#### Thursday, Feb. 8

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Performance by the Alvin Ailey American Dance Theatre.

#### Friday, Feb. 9

Penn State McKeesport Campus, 1:30 p.m., BUB Auditorium. Presentation titled, "Decolonizing the Mind: Toward Black Mental Liberation," by Winifred Coachman.

#### Wednesday, Feb. 10

Zeta Phi Beta, 7:30 p.m., Paul Robeson Cultural Center. Black History Month program titled, "Notable Black Women in Greek Organizations."

#### Thursday, Feb. 11

Women's Studies, 8 p.m., Paul Robeson Cultural Center. Black History Month presentation titled, "Black Woman's Story" by lecturer Becky Berth.

#### Saturday, Feb. 20

Office for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "Vilae Workshop" is the third in a series of workshops. James B. Stewart, vice provost for educational equity, will be the speaker. To make reservations, contact Leah Witzig at 863-1663. All junior faculty are welcome to participate.

### PROMOTIONS

#### Staff

Pamela P. Myers to staff assistant VIII at Hershey Medical Center.  
Luann M. Newcomer to senior technical specialist at Hershey Medical Center.  
Sandra M. Rogus to staff assistant IX in Intercollegiate Athletics.  
Stephanie M. Uhler to staff assistant VI at Hershey Medical Center.  
Rosemary T. Urban to staff assistant VI at Hershey Medical Center.  
Janice A. Wendler to financial assistant in Continuing Education.  
Randall S. White to receiving clerk at Hershey Medical Center.

#### Technical Service

David E. Betz to utility worker at Hershey Medical Center.  
Craig S. Bunker to patient care assistant A at Hershey Medical Center.  
Vernon L. Emhinzler to toolmaker in Applied Research Laboratory.  
Constance J. Francis, to operator, Copy Center at the McKeesport Campus.  
Kathy L. Harpster, to group leader, Centralized Copy Center in Business Services.  
Ronald Q. Henry, to maintenance worker utility at Penn State Erie, The Behrend College.

Gary E. Hoy to toolmaker in Applied Research Laboratory.  
Cindy R. Kelly, to environmental health worker, group leader at the Hershey Medical Center.  
Eugene A. Kurtz, to utility meter technician Bin of the Office of Physical Plant.  
Robert L. LaMore, to Test Technician in Research and Graduate School.  
Donald B. Nagle, to environmental health worker, group leader at the Hershey Medical Center.  
Wendy L. Neding to senior instrument processing aide at the Hershey Medical Center.  
John L. Petro to mechanical technician in

Research and Graduate School.  
Michael F. Perate, to maintenance worker, general A at Berks Campus.  
Robert L. Pressler to guard II in Applied Research Laboratory.  
Samuel L. Steak to carpenter A at Hershey Medical Center.  
Toni M. Umberger to anesthesia technician at the Hershey Medical Center.  
William P. Wegman, to incinerator operator at the Hershey Medical Center.  
Thomas M. Zawislak, to maintenance worker, general A at Berks Campus.



# Committee works quietly to improve classrooms

If you have a problem with your classroom facility or equipment, there is help available.

Working primarily behind-the-scenes, a ten-member Classroom Improvement Committee serves as an advocate for the general-purpose classrooms at University Park.

According to Robert L. Allen, director of Audio-Visual Services, and committee chair, the group was first

**"The general-purpose classrooms belong to everyone and belong to no one and that's where the Classroom Improvement Committee comes in."**

Richard T. Sodergren  
committee vice chair

established in 1977 and charged with reviewing and developing ways of improving large, instructional facilities of 100 seats or more.

"Since its establishment," he said, "the committee's charge has been broadened several times and we now have responsibility to evaluate all existing classrooms on a regular basis, to recommend renovations and remodelings as appropriate for the general classrooms at all locations, to participate in planning of the construction of new classrooms at all locations, and to participate in planning in all Commonwealth-funded projects which involve general classrooms."

Richard T. Sodergren, director of enrollment services, University Registrar, and committee vice chair, said there are approximately 800 instructional rooms at University Park, 280 of which are general-purpose classrooms.

"The general-purpose classrooms belong to everyone and belong to no one and that's where the committee comes in," he said. "Those other than general-purpose are controlled by academic units and tend to be laboratories, seminar rooms and other specialized rooms."

In addition to the Classroom Improvement Committee at University Park, similar committees, with similar charges, have been established at the Commonwealth Campuses, Penn State Harrisburg and Penn State Erie, The Behrend College.

One major effort of the University Park committee

members is an annual detailed inspection of every general-purpose classroom on campus to identify both maintenance and general construction needs.

"During the last 15 years," Mr. Allen said, "about two-thirds of the general-purpose classrooms at University Park have had committee-initiated improvements. We also send a questionnaire to faculty members every two years asking for comments on problems in classrooms and get a 50 percent return on them. Several of the campuses make a similar survey."

The committee also has established a Classroom Hotline Number which anyone can call with problems.

"The hotline gets used, but not abused," Mr. Allen said. "Through it, we have been able to identify and correct a number of problems. With the assistance of the Office of Physical Plant, for example, we've placed all of the general-purpose classrooms on a common key so that you usually can find someone close to open a door."

Other areas in which the committee has been involved include:

- Reviewing blueprints for new construction and major renovations.

- Meeting with student government groups to discuss student concerns.

- Evaluating seating available for classrooms and identifying manufacturers who make the best seating.

- Publishing a manual on the design of general-purpose classrooms.

Mr. Allen, who was the principal author on the original version of the manual, said there has been an emergence of classroom improvement committees at an increasing number of institutions in the last 15 years because of the slowdown of new construction.

"At Penn State, the Classroom Improvement Committee takes its role seriously and is committed to providing the best possible classrooms for our students and faculty," he said.

Committee members, in addition to Mr. Allen and Mr. Sodergren, are Douglas K. Ault, director of project management, Office of Physical Plant; Edward K. Hinkle, systems analyst, Office of Physical Plant; Jack Kneer, director of facilities design and support services, Office of



215 Hammond Building at University Park got a facelift with the help of the Classroom Improvement Committee, as can be seen from these before and after photos that show the new seats, blackboard, window casings and ceiling.

Physical Plant; Trudy Smith, assistant to the dean for human resources and administrative services, The Smear College of Business Administration; Robert B. Mitchell, associate professor of biology; C. Terry Morrow, professor of agricultural engineering; Paul J. Fworchik, assistant to the director, Computer and Information Systems; Gilbert R. Szele, director of transmission facilities, Office of Telecommunications.

## Search for director of admissions begins

A search and screening committee to identify candidates for the director of admissions has been appointed by C. Gregory Knight, vice provost and dean for undergraduate education.

Martha Corley, associate director of admissions, will chair the committee. Members include Peter Everett, associate professor in The Smeal College of Business Administration; Wayne Lammie, campus executive officer, Schuylkill Campus; Donald Leslie, associate dean in the College of Arts and Architecture; Tammi Mason, undergraduate student; Eugene Melander, associate vice provost; Regina Miller, assistant director of student programs and services at Beaver Campus; Antonio Moore, assistant director of admissions, and Craig Waldo, undergraduate student. Gloria Briggs, human resources coordinator, Office of the President, will serve as staff.

Undergraduate Admissions is part of the Office of the Provost and Executive Vice President. Along with Student Aid, the Registrar, and the University Scholars Program, Admissions reports directly to the vice provost and dean for undergraduate education.

The director of admissions must be able to demonstrate superior leadership contributing effectively to academic excellence, cultural diver-

sity, and quality improvement in a large multi-campus public university. Planning, organizational, and management skills, communication skills to work collaboratively with other University departments and campuses; budget management skills; and staff development, personnel, and team building skills are essential qualities for the new director. A knowledge of emerging technologies will enhance the efficiency and service of a quality Admissions Office.

Doctorate preferred (Master's degree required), with progressively responsible administrative experience in higher education, business or other organizations. Demonstrated effectiveness in undergraduate recruitment is an asset. The director of admissions must have the personal skills to work well with the public and be dedicated to service.

Nominations are welcome. Applications accompanied by a current resume plus three letters of reference should be sent to: C. Gregory Knight, Vice Provost, 421 Old Main, Box IC, University Park, PA 16802.

Screening of candidates will begin March 1, 1993, and will continue until a director has been selected.

## Budget

Continued from Page 1

ic units, it also will include five-year data on enrollments, student credit hours produced, degrees awarded, and research expenditures.

Dr. Thomas cited the leadership of University Budget Officer Richard Althouse in developing the new format and noted the importance of input from students.

"Our work with students has been very important. We've discovered that they also were interested in these improvements, and particularly interested in clarification of the way that much of the material was presented in our open budget document. We have agreed that including the actual dollars spent and additional information on auxiliary enterprises is not only possible but, in fact, will be helpful for everyone.

"As we work to develop the figures on actual dollars and auxiliary enterprises over the next several months, we will present them in a format which is consistent with the revised open budget materials that we will be placing in the libraries in February."

Dr. Thomas told the Trustees that the new reports will include more detail than the budget reports. Departmental allotment expenditures will be broken down in more detail, and information for auxiliary enterprises will include both actual expenditures and income for these self-supporting units.

"We are continuing to move forward in refining our process for financial accountability," he added. "The changes I have described are both consistent with the Board's resolution on the budget and, we hope, more understandable and informative for the general public. Students have expressed their support for this approach."

NEWS IN BRIEF

Expert witness discussion

Jack Matson, director of the Leonard Center for Innovation and Enhancement of Engineering Education and professor of civil engineering, and Dick Nelson, chairman of biomechanics, will lead a lunch time roundtable discussion sponsored by the Leonard Center at noon Wednesday, Feb. 17, in Room 202 Rider II Building, Beaver and Burrows, State College.

The discussion is open to anyone interested in becoming involved in an informal network of faculty members who currently do expert witnessing or would like to find out more about it. Discussion topics will include how faculty can assist each other, upcoming conferences, and books on the market. Plans are to meet once a month. Please notify Pam Adams 865-4020 if you would like to attend this meeting.

LIAS training

The University Libraries is now offering a "hands-on" training class which will help library users maximize their LIAS searching power and flexibility using new searching techniques.

To accommodate as many participants as possible, several sessions of the workshop will be offered throughout the spring semester. All sessions, which will run approximately an hour-and-a-half, will be held in Tower Training Facility, C402 Patte Library. Chose from the following dates: 2 p.m. Feb. 16 and 23; 7 p.m. Feb. 9, 7 p.m. March 2, 2 p.m. March 18 and 25; 7 p.m. April 1; 2 p.m. April 8 and 15. Contact Sandy Stauffer at (814) 865-0401 or by electronic mail at scs@psuas.psu.edu to register.

Award nominations

Penn State Educational Office Professionals (PSEOP) is accepting nominations for the Eighth Annual Outstanding Office Professional Award which is open to all faculty and staff throughout the University system.

PSEOP, now in its tenth year, pioneered the concept of giving recognition to University staff who have provided exceptional meritorious service on behalf of Penn State. A typed letter of support and copy of the candidate's resume must be submitted with the completed nomination form to Barbara Garbrick, 101R OPP, University Park, PA 16802.

Criteria are: initiative and enthusiasm; responsibility and quality of work; cooperation with co-workers; commitment to performing in a professional manner and expressing pride in the professionalism; positive attitude toward Penn State customers who visit or telephone Penn State offices; positive attitude toward other Penn State employees; in-service training for self-development where applicable; activities, both those that have enhanced Penn State's goals and objectives and outside activities that have been of service to the community.

For a nomination form, contact your Personnel Representative or

LeAnn Anderson, chairperson, Nominations Committee, PSEOP, at (814) 863-3848. Nominations deadline is March 26.

Blood drives

During February the Centre Communities Chapter of the American Red Cross will conduct several open blood drives at University Park with the cooperation of several faculty/staff groups.

Coming blood drives are: Wednesday, Feb. 10, Housing and Foods Building, 10 a.m.-4 p.m. (call 865-6388); Wednesday, Feb. 17, Materials Research Lab, 10 a.m.-4 p.m. (call 865-3423); Tuesday, Feb. 23, Old Main, 10 a.m.-4 p.m. (call 863-4826).

For more information on donating blood or your eligibility, please call the regional blood center at 1-800-54-BLOOD.

Radon testing

Radon testing is available for residents in the Centre Region through the Penn State Low Level Radiation Monitoring Lab. The Lab is certified by Pennsylvania DER for radon in air monitoring, and also provides radon in water testing for citizens with private wells. For more information and test kits, please contact Hermina Boyle, supervisor, at 863-2647.

Free wooden pallets

The Penn State Bookstore on Campus is giving away used wooden pallets, at no charge, to anyone interested in coming to pick them up. Persons interested in this offer should contact Joseph Cessna (863-3615) to make arrangements and obtain written permission.

Research award

Primary and secondary school teachers, graduate students and college/university faculty members are invited to submit research papers in education for the annual Phi Delta Kappa New Researcher Award Competition.

Sponsored by the Alpha Tau Chapter at Penn State, the award recognizes new researchers in experimental, descriptive or historical studies in education. The award winner will receive \$250 and a certificate.

Candidates must have a bachelor's or master's degree or have received their doctorate within the past three years, but they do not need to be members of Phi Delta Kappa.

For more information, contact Edwin Herr, 241 Chambers Building, University Park, (814) 863-1489.

Education Abroad Day

Education Abroad Day will be held from 1 to 5 p.m. today in the Hub Fishbowl at University Park.

Former study abroad students will be on hand to discuss their experiences, and Education Abroad staff will have background information. Music slides and a video presentation will be offered throughout the afternoon.

The public is invited.

# LECTURES

## Honorary Engineering Lecture

### Chairman of AMP to talk about engineering excellence

James E. Marley, chairman of the board of AMP, Inc., will present the 27th annual Honorary Engineering Lecture at 3:45 p.m. Thursday, Feb. 18, in Kern Graduate Building Auditorium at University Park.

His talk, "Engineering Excellence - The Key to Global Survival," is a part of National Engineers Week activities in the College of Engineering. It will be followed by a reception.

National Engineers Week runs from Feb. 14-20 and culminates at Penn State with the College of Engineering's annual Open House on Saturday, Feb. 20. The University community and the public are invited to attend both events.

AMP, Inc., a Harrisburg, Pa. based company, is the world's leading producer of electrical/electronic connection devices.

Mr. Marley has held several management positions since joining AMP in 1963. After serving as vice president of the automachine group, of manufacturing resources, and of manufacturing, he was elected corporate vice president, operations, in 1983, and president and director three years later. In 1990, he was named AMP's president and chief operating officer, and, on Jan. 1 of this year, chairman of the board. He continues as a director.

Mr. Marley also is a director of Armstrong World Industries, Inc., and the Manufacturers' Alliance for Productivity and Innovation, Inc., Washington, D.C. He is very active in the Harrisburg community and sits on the boards of The Kline Foundation, The Pennsylvania Chamber of Business and Industry, the Polyclinic Medical Center, the Susquehanna Art Museum & Art Museum for Youth, and the United Way of the Capital Region.

An aerospace engineering graduate of Penn State, he also holds a master's in mechanical engineering from Drexel Institute of Technology.

For more information, contact Trish Long, external relations assistant, at 865-9031.



James E. Marley

### Former H&HD dean to deliver lecture on adolescence research

The former dean of the College of Health and Human Development will return to the University Park to give a special lecture this month.

Anne C. Petersen, now vice president for research and dean of the Graduate School at the University of Minnesota, will deliver the

Pauline Schmitt Russell Distinguished Research Career Award Lecture at 8 p.m. Thursday, Feb. 18, in the HUB Assembly Room. Her lecture is titled "Discovering Adolescence: Process, Context, and Interventions."

The Russell Award honors a senior Health and Human Development faculty member who has made outstanding research contributions to the field across a major portion of his or her career. The recipient presents an evening lecture highlighting his or her research.

Dr. Petersen was the founding dean of the College of Health and Human Development; she was appointed dean when the college was created in 1987 and held the post until last spring, when she went to the University of Minnesota. From 1982-87, she was head of the Department of Individual and Family Studies (now Human Development and Family Studies).

Well-known in adolescence research, Dr. Petersen is now in the 15th year of a major longitudinal study of physical, men-

tal, and social development in adolescence.

The study, funded continuously by the National Institute of Mental Health, began when its more than 300 participants were in sixth grade; the subjects are now in their mid-20s. She also heads several other studies of adolescence.

Dr. Petersen is president of the developmental psychology division of the American Psychological Association. She also chairs a panel on research on child abuse and neglect for the National Research Council/National Academy of Sciences, and is the only U.S. researcher on an *Academia Europaea* study group on problems of youth.

She is an author or editor of six books, including the two-volume *Encyclopedia of Adolescence*.

The Russell Award was established by Leo P. Russell, a graduate of Penn State's industrial engineering program. The award honors his late wife, Pauline Schmitt Russell, who received a bachelor's degree in home economics from the University in 1948.



Anne C. Petersen

# The Biotechnology Institute: Leading the field

Considering that the average cost of developing a product through biotechnology is more than \$230 million, it's no wonder industry officials are scrambling to take part in training workshops being offered by Penn State's Biotechnology Institute.

"This University is in the forefront in hands-on training programs for the biotechnology industry," Kamal Rashid, workshop program director and associate professor of molecular and cell biology, said. "It's no secret



Kamal Rashid instructs a workshop participant.

that there is a tremendous need in the industry for well-trained technicians. Penn State is known throughout industry as providing that type of preparation."

Biotechnology—the use of biological systems or organisms for commercial benefit—touches everyone's life in some way. From the biodegradable packages we purchase, to the food we eat, biotechnology has played a role in improving our lives. But the industry is undergoing rapid advances and in order to stay competitive, companies must keep on top of developments. Training could make the difference between discovering a life-saving drug or a costly environmental failure that causes a company to close its doors.

Furnished with state-of-the-art research and teaching equipment, the Biotechnology Institute in Wartik Laboratory is a research showpiece where workshop participants can experiment first-hand. In addition, the

Bioprocessing Resource Center's Pilot Plant, housed nearby in Fenske Laboratory, is a \$4-million facility that provides workshop attendees more opportunities for direct participation in pilot-scale process development.

From March through November, the Biotechnology Institute will offer six different workshops looking at various aspects of the biotechnological process. The workshops are geared toward answering the industry challenges associated with commercialization. Despite the fact that many new genetic discoveries are taking place, the general public will not benefit unless methods are found to scale up operations.

"Genetic engineering is really old hat these days," Arthur Humphrey, director of the Institute, said. "Even high school students are doing genetic experiments. But it's the challenge of developing large-scale operations for taking the discoveries to commercialization and speeding the regulatory process that we are trying to address."

The morning hours of these three-to-four-day workshops are reserved for discussing theories driving biotechnological research, while the afternoons allow attendees to test those theories through hands-on laboratory experience. What initially began four years ago as a one-workshop program, has mushroomed into the six-topic series also offered in the fall. On the average, about 200 participants from industry, academia and government agencies annually receive training through the workshops, which have attracted attendees from as far away as Indonesia, Peru, Costa Rica, France, Italy and Sweden.

The workshops focus on the techniques and processes, and how to make them better, and industry is eagerly accepting," Dr. Humphrey said.

But the success of the workshop series is not the result of the University simply answering a need. Dr. Rashid attributes the success of the program to Penn State's outstanding facilities, its wealth of top-notch faculty, and the emphasis placed on direct practical experience.

"Knowledgeable faculty from different disciplines come together in a team-teaching situation and really pour all they know into the sessions," Dr. Rashid said. "In terms of biotechnology, we do have the premiere training program in the nation."

The workshops are open to interested faculty, and National Institutes of Health biotechnology student fellows—of which Penn State has six. In addition, under certain circumstances, graduate or undergraduate students are permitted to attend as observers.

Dr. Humphrey said the Biotechnology Institute is considering offering fellowships for undergraduate or graduate students to support their attendance and participation

## Workshop schedule

### 1 Fermentation Methods and Scale-Up Strategies

March 9-12, June 15-18, Oct. 12-15  
Emphasizes laboratory work and demonstrations in microbial fermentation from laboratory to pilot plant scale.

### 2 Scale-Up Strategies for Animal Cell Culture

April 6-9, Sept. 21-24  
Practical course on how to scale-up animal cells from flasks to bioreactors.

### 3 Mammalian Cell Culture Methods

May 11-14, Nov. 9-12  
Emphasizes laboratory work and includes modern techniques used with mammalian cell cultures.

### 4 Separation and Purification Strategies for Biotechnology Products

April 20-23, June 1-4  
Designed to help participants understand and develop strategies for bioprocessing of biopharmaceutical products.

### 5 Plant Biotechnology Methods

Aug. 17-20  
Designed to introduce and develop participants' skills in plant biotechnology methods.

### 6 cGMP and Validation Practices in Pharmaceutical Applications

Aug. 9-11  
Overview of current Good Manufacturing Practices, validation issues and regulatory aspects of bioprocessing.

in the workshops. The director said the workshops, combined with the opportunity to rub elbows with key biotech industry employees, would enhance their education and greatly benefit students who are about to enter the workforce.

— Lisa M. Rosellini

## PRIVATE GIVING

### College of Engineering Washington, Pa. firm donates robotic equipment for research

Robotic equipment donated to the College of Engineering by Dynamet Inc. of Washington, Pa., will enhance hands-on classroom projects and robotics research. The gift, a Clark/Cincinnati Milacron robot and a Clark automated guided vehicle, is valued at \$175,000.

"Dynamet is committed to supporting higher education, particularly in technical areas where the United States must maintain a competitive edge," Dynamet CEO Peter Rossin, said.

The high capacity robot will aid ongoing research and educational programs in the Department of Mechanical Engineering according to John Gardner, assistant professor of mechanical engineering. He will use the robot in high-performance robotic sys-

tems research and for experimental verification of advanced control algorithms.

Kathryn W. Lilly, assistant professor of mechanical engineering, will use the equipment for open-die robot-assisted forging applications.

Industrial engineering students will use the automated guided vehicle in courses on material handling and flow, encompassing projects on facilities design and simulation, according to Pius J. Egelbe, associate professor of industrial and management systems engineering.

Dynamet Inc. processes titanium and other sophisticated alloys primarily for the aerospace and medical industries. The equipment gift was facilitated by Penn State's Industrial Research Office.

### Alumnus gives \$50,000 for Liberal Arts and Libraries

A Penn State alumnus has given \$50,000 for endowments in the College of the Liberal Arts and the University Libraries.

Donald Haag, of South Pasadena, Calif., designated half his gift to create a faculty development fund in the Department of German. Income from the endowment will support faculty research and the purchase of equipment and materials that will enrich the classroom teaching experience at both the undergraduate and graduate level.

Mr. Haag directed the remaining \$25,000 to a Libraries preservation fund that he established in 1991. The fund supports the acquisition and preservation of maps, music, prints, photographs and other rare archival materials.

A native of Greentown, Mr. Haag is a retired business executive and a 1930 Penn State graduate in commerce and finance.



### Bach's Lunch

The Penn State Bassoon Band will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include compositions in a variety of styles.

### Saxophone recital

Dan Yoder, associate professor of music, will present a recital of classical saxophone music at 8 p.m. Monday, Feb. 8, in the School of Music Recital Hall at University Park. He will perform on each of the most frequently used instruments of the saxophone family: the soprano, alto, tenor and baritone saxophone.

Joining Professor Yoder will be pianist Anthony Leach and the Penn State Saxophone Quartet. The program will include James

Davies's transcription of J.S. Bach's "Sonata in E flat," Bozza's unaccompanied "Introduction and Caprice,"

Warren Benson's "Concertino," Paul Wittgenstein's "Concertante," Ferns's "Mirage" and Andrew White's "6 Parodies for 5 Saxophones."

The recital is free to the public.

### Architect to lecture

Merrill L. Elam, architect with Scogin, Elam and Bray Architects, Atlanta, Ga., will present a lecture at 5 p.m. Tuesday, Feb. 9, in Room 108 Wartik Building at University Park. The lecture is part of the lecture series, "Partners in Architecture," sponsored by the Department of Architecture.

The lecture is free to the public.

### Macedonia lecture

One of the world's outstanding authorities on ancient Macedonia will present a lecture on recent archaeology in Macedonia on Thursday, Feb. 11.

Professor Stella Miller-Collett of the Department of Classics, University of Cincinnati, will discuss "Tombs and Treasures: New Discoveries in Macedonia," at 8 p.m. in Room 101 Kem Building at University Park.

Professor Miller-Collett has extensive experience as an archaeologist and art historian working at excavations in Macedonia and Southern Greece. She currently is a member of the team re-excavating the famous city of Troy.

Her illustrated talk, part of the lecture series sponsored by the Central Pennsylvania Society of the Archaeological Institute of America, will

concentrate on the most recent discoveries that shed light on the culture of the ancient Macedonians, a people who produced some of the most famous kings of antiquity, including Philip II and Alexander the Great.

The lecture is free to the public. Refreshments will be served at a reception following the talk.

### "Celebration of Love"

The Penn State Chamber Singers will present the 7th annual "Celebration of Love" concert at 7:30 p.m. Saturday, Feb. 13, in the Rotunda of Old Main at University Park.

The program will feature a choral repertoire and poetic readings that draw upon love texts from the Renaissance through the 20th century. The vocal repertoire features two very different collections: "Love Lost," a cycle of four satirical poems on love, composed by Paul Spolund and "On Flowers and Love," a cycle of six pieces set by Edwin Fissinger on texts by William Shakespeare, Robert Herrick, Percy Bysshe Shelly, Samuel Daniel and William Broome.

Inaugurated in 1987 as a tribute to the late Professor Emerita Willa Taylor, the "Celebration of Love" concert translates the Old Main Rotunda into a resonant chamber for vocalists, instrumentalists and readers.

The vocal ensemble consists of 20 select members of the Penn State Chamber Singers who, in turn, are chosen each fall from among the members of the Penn State Concert Choir by D. Douglas Miller, professor of music and director of both groups. Featured readers for this occasion will include John Buck, assistant professor of English, and Peg French, assistant professor of theater arts, as well as two acting majors from the Department of Theater. Guest instrumentalists Michael Dennis, guitar, and Jessica Welles, flute, will accompany the performance. Tony Leach, interim director of the Penn State Concert Choir and Chamber Choir, will conduct the concert.

Tickets are \$8 and include a reception following the concert. Seating in the Old Main Rotunda is limited and interested persons are encouraged to reserve tickets early by calling (814) 863-2142, 9 a.m. to 5 p.m., Monday through Friday, or writing to 114 Arts Building, University Park, PA 16802.

### "Pastels and Silkscreens"

An exhibition of pastels and silkscreens by Adriane Kelly will be held in Pattee Library's West Lobby Gallery during Feb. 14.

According to the artist, "the images on display contain references to nature and ancient teachings of how to relate to ourselves and the universe. They are expressions of respect for the spiritual force in air, water, stones, earth, animals,

plants and people."

Ms. Kelly is co-owner of Rosewood Company in State College.

### Pianist to perform

Pianist Kenneth Burky will present a solo piano recital at 4 p.m. Sunday, Feb. 14, in the School of Music Recital Hall at University Park.

The program will include Debussy's suite "Pour le Piano," Dello Joio's Sonata No. 3, Brahms' Rhapsody in B minor and works by Mozart, Chopin and Gershwin.

Mr. Burky is chair of the Piano Department at Duquesne University's School of Music where he has taught since 1978.

The recital is free to the public.

### Columbian Exposition

An exhibit commemorating the 100th anniversary of the 1893 World's Columbian Exposition of Chicago is on display in Pattee Library's Rare Books Room through March 19.

The exhibit depicts the fair with illustrations drawn from contemporary books in the University Libraries' collections and is augmented with artifacts and souvenirs through a generous loan from a local collector. There also are special materials lent by the American Philatelic Society.

In addition to the exhibit, Charles Mann, chief of Rare Books and Special Collections, will present a slide lecture, "Utopia by the Lake: The 1893 Chicago World's Columbian Exposition," in the Rare Books Reading Room at 3 p.m. Wednesday, March 3.

The Columbian Exposition celebrated the 400th anniversary of Columbus' discovery of America. It also was a celebration of art, architecture, and industry. It outdid every previous world's fair in marking the progress of civilization throughout the ages and was itself a spectacular work of art.

### Membership drive

With the new Palmer Museum of Art scheduled to open its doors in August 1993, the Friends of the Museum has kicked off its six-week membership drive.

"If you've ever thought about becoming a member of the Friends of the Museum, this is the year to do it," Lana Raup, chairperson of the membership committee said. "We want everyone to be a part of the most dynamic art museum in central Pennsylvania. A membership costs no more than a night out on the town, and the benefits continue all year."

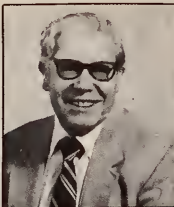
Friends of the Palmer Museum of Art enjoy certain basic benefits: a 10 percent discount on all items purchased in the new Museum Store; invitations to "members only" events, including private viewings of special exhibitions and special events surrounding each new exhibition; opportunities to tour major art centers here and abroad, and the Palmer Museum of Art quarterly newsletter.

For more information about membership in the Friends of the Palmer Museum of Art, call the museum at (814) 865-7672 weekdays between 9 a.m. and 4 p.m.

### Hager honored

The Department of Art History designed the publication of *An Architectural Progress in the Renaissance and Baroque: Sojourns In and Out of Italy, Volume VIII* of the Papers in Art History from the Pennsylvania State University as a Festschrift for Hellmut Hager, who is beginning his 21st year as head of the Department of Art History.

A Festschrift is a volume of writings by



Hellmut Hager

different authors presented as a tribute to a scholar. The book had its origins in the 1989-91 art history lecture series, "The World and the Italian Architect: Native Images and Reflections Abroad." Thirty-four distinguished scholars who contributed to the volume are associated with institutions in the United States, Italy, Germany, Austria and England.

The illustrated essays in *An Architectural Progress in the Renaissance and Baroque* presents the latest research on Italian architects, projects and monuments with highlights on the influence of Italian architecture and architects' designs on the architecture of Germany, Austria, Poland and Russia.

Henry A. Millon, dean of the Center for Advanced Study in the Visual Arts at the National Gallery, Washington, D.C., and the guest co-editor of the volume with Susan S. Munshower, instructor of art history at Penn State, presented the Festschrift to Dr. Hager.

This volume of *The Papers in Art History* was partially funded by a \$5,000 grant from the Samuel H. Kress Foundation of New York for the color plates that illustrate the collected essays.

### ARTS AT . . .

#### Penn State Erie

"On the Verge," or the Geography of "Yearning," a fanciful, funny testament to the strength of both women and the English language, will be the spring theatre presentation at Penn State Erie, The Behrend College.

"On the Verge" opens in 1888, as three proper Victorian ladies set out to explore Terre Incognita, a land that offers jungles, cliffs, ice storms, and, most surprisingly, strange artifacts from the future. Throughout the play the time travelers remain playful, courageous, and incredibly witty.

Performances of "On the Verge" will be at 8 p.m. Feb. 18, 19, 20, 25, 26, and 27, and at 2:30 p.m. Feb. 21 and 28 in Penn State-Behrend's Studio Theatre. Cost is \$4 for general admission, \$3 for students. Reservations may be made by calling 898-6016.

#### Worthington Scranton Campus

Prize-winning photographs from the 1992 Outdoor Writers Association of America (OWAA) Photo Exhibit are on display at the Penn State Worthington Scranton Campus Library during February.

Nearly 40 black-and-white and color photographs showcase the outdoor world of nature.

The exhibit is free to the public. Library hours are Monday through Thursday, 8 a.m. to 10 p.m., Friday, 8 a.m. to 4:30 p.m. For more information, contact the Penn State Worthington Scranton Campus Library at 717/963-4774.

# University Park Calendar

## Feb. 4 — Feb 14

### SPECIAL EVENTS

**Thursday, Feb. 4**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel.  
The Penn State Sessions:  
■ Education Abroad Day, 1-5 p.m., HUB Fishbowl. For more information, call 865-7681.

Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. A member of the Alvin Ailey American Dance Theatre will present a lecture on "Artistic Viewpoints."  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Alvin Ailey American Dance Theatre. Reception follows in Atherton Hilton. Tickets required.

**Friday, Feb. 5**  
Geography Coffee Hour, 3:55 p.m., 319 Walker Bldg. Susan Hanson on "Gender, Work and Space."  
Shaver's Creek, Owl Prowl, 7-9 p.m. Call 863-2000.

**Saturday, Feb. 6**  
Shaver's Creek, Animals in Winter, 1-2:30 p.m. Call 863-2000.

■ Enrichment Event, Center for the Performing Arts, 7 p.m., Carnegie Bldg. Cinema. "Carmen" by Francesco Rosi, in Italian with subtitles.

**Sunday, Feb. 7**  
Center for the Performing Arts, 3 p.m., Eisenhower Auditorium. Landis and Company Theatre of Magic will perform "The Great Vaudeville Magic Show." Tickets required.

■ Enrichment Events, 7:30 p.m., Carnegie Bldg. Cinema. "Carmen" by Carlos Saura, in Spanish with subtitles.  
WPXS airs "The Future of the Pennsylvania State University: A Conversation with President Job Thomas," 7:30 p.m.

**Monday, Feb. 8**  
Comparative Literature Luncheon, 12:15 p.m., 101 Kern Bldg. Dan Walden on "Saul Bellow's Paradox: Individualism and the Soul."

Health Services, 7 p.m., 305 HUB. Chris and Patty Johnstone on "Loving & Partnering in the 90's: The Challenges of a Committed Relationship."

■ Enrichment Events, 7:30 p.m., Carnegie Bldg. Cinema. "First Name: Carmen" by Jean-Luc Godard in French with subtitles.  
School of Music, 8 p.m., Recital Hall. Dan Yoder saxophone.

**Tuesday, Feb. 9**  
PENNTAP, 9 a.m.-4 p.m., Barbara Bldg. I. Open house, "Shop with a Future."  
Arts and Architecture, 5 p.m., 108 Wartik Bldg. Merrill I. Elam's lecture is part of the series "Partners in Architecture."

Center for Women Students, 7 p.m., HUB Ballroom. Brian McLaughlin on "Homophobia: The Toll It Takes on All of Us."

**Wednesday, Feb. 10**  
Shaver's Creek, Tales For Tois, 9:30-10:30 a.m. Call 863-2000.  
CWS Brown Bag Lunch, noon, 102 Boucke.  
Rising Bookers on "Healthy Love Partly A Sex Sex Workshop for Women."  
■ Center for Russian and East European Studies Luncheon, 12:10 p.m., 12 Sparks Bldg. Galina Khmelkova on "The Russian Orthodox Church After The October Revolution."

Health Services, 7 p.m., HUB Gallery Lounge. Doctoral candidates from Counseling & Psychological Svcs. on "Friends and

Family Feud: What You Don't Know About Relationships Can Hurt You."

**Thursday, Feb. 11**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Chamber Choir.  
Health Services, 7 p.m., 305 HUB. Patricia B. Koch on "Our Bodies, Our Sexuality."

■ Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. Taylor Greer/Artistic Viewpoints.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "Carmen" by Georges Bizet/New York City Opera National Company. Tickets required.

Central Pa. Society of AIA, 8 p.m., 101 Kern Bldg. Stella Miller-Collett on "Tombs and Treasures: New Discoveries in Macedonia."

Feminist Scholars, 8 p.m., Paul Robeson Cultural Center. Becky Birba on "Black/Woman/Story."

**Friday, Feb. 12**  
Geography Coffee Hour, 3:30 p.m., 319 Walker. Al LeFohn on "Ozone Exposure: Indices Appropriate in Protecting Vegetation."

Penn State Faculty Women's Club, 6:30 p.m., Ag Arena. Potluck and square dance.

**Saturday, Feb. 13**  
The Eberly College of Science Open House for prospective students and their parents, 10 a.m.-4 p.m., HUB Ballroom.

Shaver's Creek, Maple Sugaring Volunteer Training, 12:30-4:30 p.m. Call 863-2000.

Enrichment Events, 1 p.m., Eisenhower Aud. Kate Glasner on "The Integration of Cultures in American Modern Dances."  
School of Music, 7:30 p.m., Rotunda of Old Main. Chamber Singers perform "Celebration of Love." For tickets call 863-2142.

**Sunday, Feb. 14**  
School of Music, 4 p.m., Recital Hall. Kenneth Burky will present a solo piano recital.  
WPXS airs "The Future of the Pennsylvania State University: A Conversation with Members of the Future Committee," 7:30 p.m.

### PUBLIC RADIO

WPSU-FM 91.1  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.;  
"Morning Edition," Monday-Friday, 6-8 a.m.;  
"Weekend Edition," Saturday and Sunday, 11 a.m.-1 p.m.  
"Odyssey Through Literature," 12:30 p.m.  
"Wednesday, with S. Leonard Rubinstein," "Perspectives," 6:30 p.m. Wednesdays.  
"Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

### CONFERENCES

**Feb. 15**  
Chemical Lehman Logistics Program, Nittany Lion Inn. Contact: James Mencher, 865-7911.  
**Feb. 5-6**  
"Sustainable Agriculture," Nittany Lion Inn. Contact: T. Bowser/G. Peterson, 865-

8301.  
**Feb. 8-13**  
Program for Logistics Executives, Nittany Lion Inn. Contact: Jim Mencher, 865-7911.

### SEMINARS

**Thursday, Feb. 4**  
Ceramic Science, 10:45 a.m., 301 Steidle.  
Thomas O. Mason on "Impedance Spectroscopy of Electro-Ceramics."

Rob W. Collins on "Real Time Optical Studies of Thin Film Growth."

**Wednesday, Feb. 10**  
Veterinary Science, 8:30-9:45 a.m., 211 Borland Lab. James E. Womack on "Mapping the Bovine Genome: Current Status and Future Applications."  
Accounting Research Colloquium, 3:30-5 p.m., 333 Beam BAB. Bob Holthausen on "Annual Bonus Schemes and the Manipulation of Earnings."

Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. Mima Liquid-Macdonald on "Application of Neural Network in Engg."

**Thursday, Feb. 11**  
Adult Education, noon, 206 Charlotte Bldg. Robert Nicely Jr. on "The Continuing Educational Administrative Process at Penn State University."

Plant Pathology, 1-2:15 p.m., 112 Buckhout Lab. Allen S. LeFohn on "Surface Ozone: How Much Is Too Much For Vegetation?"

Gerontology, 4-5 p.m., 106 Mitchell Bldg. Dennis Shea on "Managed Competition: How It Works?"

### EXHIBITS

**Chambers Gallery:** Paintings and ceramics by undergraduate students, through Feb. 26.

**Pattee Library**  
West Lobby Gallery: Adrienne Kelly's exhibit of pastels and silkcreens, through Feb. 14.

**East Oriental Gallery:** Edna Raphael's exhibit, "Mountains of New Mexico, 1961-1992. Autumn, Winter, Spring," through Feb. 15.

**Rare Books Room:** "City on the Edge of Time," The World's Columbian Exposition, Chicago, 1893, through March 19.

**Lending Services Gallery:** "Rapunzel," an exhibition of watercolor and ink illustrations by Pamela Sue Anzman, through Feb. 15.

**Zoller Gallery**  
"Photo National," national joint exhibition of contemporary photographs, through Feb. 28.

### TIPS

**Information Penn State**  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ Reflects an international perspective



"Tombs and Treasure: New Discoveries in Macedonia" is the title of an archeology lecture scheduled for Thursday, Feb. 11, in 101 Kern Building at University Park. Shown above is a silver tetradrachm excavated from a Macedonian site. Stella Miller-Collett, from the University of Cincinnati, will give the talk, which is free to the public.

Adult Education, noon, 206 Charlotte Bldg. James Stewart on "Cultural Diversity and the Adult Learner."

■ School of Communications, 4 p.m., 101 Carnegie Bldg. Juergen Wilke on "Agenda Setting in Historical Perspective: The Coverage of the American Revolution in the German Press."  
Biology, 4 p.m., 8 Mueller. Thomas Jack on "Homotic Flower Mutants of Arabidopsis thaliana."

Computer Science, 4 p.m., 325 Whitmore Lab. Ron K. Cytron on "Efficient Program Representations for Automatic Program Optimization."

Gerontology Center, 4-5 p.m., 106 Mitchell Bldg. Paul Eslinger on "Neuropsychological Assessment."

**Tuesday, Feb. 9**  
The Particulate Materials Center, 11 a.m., 301 Steidle. Michael Zachariah on "Principles of Vapor Phase Formation of Ceramic Particles During Combustion."  
Biology, 4 p.m., 101 Althouse. Wolf-Erhard Reller on "The Use of Arabidopsis Genetics to Analyze Synthesis, Structure, and Function of the Plant Cell Wall."  
Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. Terry Etherton on "Biotechnology in the Barnyard; Benefits, Safety and Choices."  
Materials Science, 4 p.m., 26 Mineral Science.

APPOINTMENTS

Robert R. Ascah has been appointed assistant director of development in the College of Engineering. He will work with alumni and corporations in developing gift support for the College.

Since 1986, Mr. Ascah has served as senior executive account manager for Digital Equipment Corporation, responsible for managing DEC's computer and networking sales and marketing for higher and secondary education accounts in Central Pennsylvania. From 1982 to 1986 he was an account executive with AT&T, managing their Information Systems voice and data sales in Central Pennsylvania.

He also served as administrative aide in the College of Health and Human Development and held various research positions at Penn State.

Mr. Ascah serves on the State College Area Board of School Directors and coaches baseball, basketball and soccer teams. He has served on the State College Area School District Elementary Building Expansion Committee, and has worked in fund raising activities for Centre County United Way and WPSX-TV public television station.

A graduate of State College High School, he holds a bachelor's degree in labor studies and a master's degree in public administration, both from Penn State.



Robert R. Ascah

Eloise T. Bartosh has been named library assistant at the Penn State Worthington Scranton Campus. Her responsibilities include campus circulation, reference, and inter-library loan services. She also supervises work study students.

Ms. Bartosh is a graduate of West Scranton High School. She received both her bachelor of arts degree in Spanish and Latin and her master of science degree in library science from Marywood College.

Her past employment experience includes positions at the Scranton Public Library and libraries at Mercy Hospital, Bishop O'Hara High School, Lackawanna Junior College, and Marywood College.

Leann Lipps Birch has been named head of the Department of Human Development and Family Studies. She had been professor of human development and nutritional sciences and chair of the Division of Human Development and Family Studies at the University of Illinois at Urbana-Champaign.

A faculty member at the University of Illinois since 1976, Dr. Birch held appointments not only in HDIFS but also in the Department of Psychology and Department of Food Science. She had chaired HDIFS since 1991, and was its chair from 1984 to 1988 as well.

Her research combines nutrition with psychology and focuses on children's food intake and food preferences, including the way children learn to accept various foods, and the effect of fat content on children's subsequent food intake. Her current work is funded by the National Institutes of Health and Kraft-Genie Foods.

She was the 1992 winner of the Lederle Award in Human Nutrition from the American Institute of Nutrition, as well as the Paul A. Funk Recognition Award from the University of Illinois College of Agriculture.

She is a member of editorial board of the journal



Leann Lipps Birch

*Appetite*, has served on the editorial board for the *Journal of Nutrition Education*, and is a reviewer for several other journals, including the *American Journal of Clinical Nutrition*, *Child Development*, the *Journal of Nutrition*, *Physiology and Behavior*, and *Science*. She also has served on two study sections for the National Institutes of Health.

All three of her degrees are in psychology: a Ph.D. from the University of Michigan (1975), an A.M. from the University of Michigan (1973), and an A.B. from California State University, Long Beach (1971, summa cum laude).

Sandra K. Edwards has been named to the newly created position of director of development for Penn State Continuing Education.

Ms. Edwards has served as director of station development for WPSX-TV since 1988. In her new post, she will provide leadership for all aspects of private fund raising and advancement in Penn State Continuing Education.

According to G. David Gearhart, senior vice president for development and University relations, the position is analogous to the directors of development that are assigned to each of the academic colleges, as well as athletics and the University Libraries.

"This position will help us to better reach those nontraditional university constituencies that are served by our continuing education programs," he said. "Like all areas of the university, private funds can have a tremendous impact on our ability to develop and deliver top quality continuing education programs in creative and innovative ways."

James H. Ryan, vice president for Continuing Education, said, "we are looking forward to working more closely with the University Development Office as Continuing Education enters a new era, and Sandy Edwards will play an important role in that relationship."

Penn State Continuing Education is comprised of the Office of Program Development, which includes the units of Marketing Research, Marketing Communications, Program Planning, Training and Client Development, Management Development Programs and Services, Health Care Program Development, National Media Center in Cultural Diversity, Alumni Programs and Institute for Continuing Justice Education and Research; the Conference Center; Educational Communications/WPSX-TV; Independent Learning; Continuing Education campus and field operations; Research and External Relations; Media Services; University Photo/Graphics; and central administration and finance offices.

Before coming to Penn State, Ms. Edwards was general manager for the Shreveport (La.) Symphony from 1982 to 1988. She also has been executive director of the Le Bossier Hotel's Celebrity Theatre in Bossier City, La., and associate director of the Hammons Center at Southwest Mississippi University.

She holds a bachelor of arts degree from Lenoir Rhyne College, Hickory, N.C., and a master of science degree from Western Illinois University.

Henry McDonald, has been named to a joint appointment with the Department of Mechanical Engineering in the College of Engineering and the Fluid Dynamics Department of the Applied Research Laboratory. His role at the Laboratory will be that of assistant to the director for Computational Sciences.

Dr. McDonald, a fellow of the American Society of Mechanical Engineers, earned bachelor's and doctoral degrees in engineering from the University of Glasgow in Scotland.

He worked for the British Aircraft Corporation in the Aerodynamic Department in 1965, he joined the United Technologies Research Center, becoming chief of the Theoretical Gas Dynamics Group and, later, senior member of the laboratory's technical staff. In 1976 he founded his own company, Scientific Research Associates, Inc.

Dr. McDonald will be directing the activities of the

University's thrust in computational fluid dynamics, a field of increasing importance for improvements in vehicle propulsion. He will focus on parallel processing and maneuvering vehicles. Among the new programs in this thrust is a four-year \$1.2 million contract from the Office of Naval Research to study the dynamics of maneuvering underwater vehicles.

Kimberly Pedersen Murphy has been appointed director of university relations at the Penn State Berks Campus.

Prior to her appointment, she was director for development for the Hemlock Council of the Girl Scouts of America in Harrisburg. The council serves a 16-county region in central Pennsylvania.

She is a Penn State graduate.

Also, Dyan D. Oberholzer has been appointed as public information—university relations assistant at the campus.

Ms. Oberholzer, who earned a bachelor's degree from Penn State in 1990, had been employed by Dolfin International Corp., Shillington, as a sales and marketing representative.



Kimberly Pedersen Murphy

Loanne Snavely has been appointed head of the Arts Library in the University Libraries.

Ms. Snavely oversees the operations of the Arts Library and the Architecture Library, supporting the academic programs of the College of Arts and Architecture. Her responsibilities include collection development support, coordination of planning activities, and the development, maintenance, and delivery of reference and instructional services.

Prior to joining Penn State, Ms. Snavely was the documents coordinator, reference librarian, and subject specialist at the Harvey A. Andruss Library, Bloomsburg University.

She is a member of the American Library Association and the Association of College and Research Libraries' sections on Arts Libraries, Bibliographic Instruction, University Libraries, and Educational and Behavioral Sciences. She also holds membership in the Government Documents Roundtable of the American Library Association, and the Art Libraries Society of North America.

Ms. Snavely earned a bachelor of science degree in mathematics with a minor in art from Juniata College. She earned a master of librarianship from Emory University and a studio art degree in ceramics and textiles from the Rochester Institute of Technology.

Other appointments in the University Libraries include:

Janet Hughes as biological sciences librarian.

Ms. Hughes completed her master of library science at the University of Western Ontario in September 1992. Her prior academic preparation includes a bachelor of science degree in biology with emphasis in genetic engineering and all of the course work toward a master of science degree in molecular biology from McMaster University.

Her work experience includes assistantships in two governmental agencies while pursuing the master of library science.

Kenneth C. Botsford as documents librarian/cataloger.

Prior to joining Penn State, Mr. Botsford was a catalog librarian at Schaffer Law Library, Albany Law School in New York. He is a member of the Eastern New York Chapter of the Association of College and Research Libraries, the Capital District Library Council, and the American Association of Law Librarians.

He earned a bachelor of arts degree in European history and a master of library science degree from the State University of New York in Albany.



Eloise T. Bartosh

Hospital, Bishop O'Hara High School, Lackawanna Junior College, and Marywood College.



Loanne Snavely

Her research combines nutrition with psychology and focuses on children's food intake and food preferences, including the way children learn to accept various foods, and the effect of fat content on children's subsequent food intake. Her current work is funded by the National Institutes of Health and Kraft-Genie Foods.

She was the 1992 winner of the Lederle Award in Human Nutrition from the American Institute of Nutrition, as well as the Paul A. Funk Recognition Award from the University of Illinois College of Agriculture.

She is a member of editorial board of the journal

AWARDS

## Conservation Leadership School takes first place in state

The Penn State Conservation Leadership School has received a first-place award in the 1992 "Take Pride in Pennsylvania" competition.

The Conservation Leadership School is a residential environmental education program for high school students from across the Commonwealth, according to co-director James P. Hamilton, professor of speech communications at the Penn State Mont Alto Campus. George R. Vahoviak, instructor in the College of Agricultural Sciences, also serves as co-director of the school.

"The goals of the program are not only to teach about conser-

vation, but to develop leadership skills in the students, therefore developing a good steward of the earth's resources," Dr. Hamilton said.

The "Take Pride in Pennsylvania" program, in its seventh year, recognizes individuals, organizations, government, businesses, schools and youth for their efforts on behalf of the Commonwealth's historic, cultural and natural resources. Twenty-two of the 100 entries received first-place honors in 10 categories and will be submitted in the national "Take Pride in America" competition, coordinated by the U.S. Department of the Interior.

## Associate professor of architecture awarded arts grant

Jawaid Haider, associate professor of architecture, has been awarded a grant from the National Endowment for the Arts under the Design Arts Program. The Design Arts Program supports work of exceptional merit in disciplines such as architecture, landscape architecture and urban design that will advance the design arts and benefit the public on a local, state or national level.

Dr. Haider's \$108,200 project entitled "Through the Looking-glass: Rediscovering Museums with Children" will focus on

gaining substantive knowledge of children's museums. The project will investigate the issue of architecture for children vis-a-vis museum design in order to develop a body of knowledge essential to a better understanding of spaces for children.

Dr. Haider received his Ph.D. in architecture from Penn State in 1986. Before returning to the University in 1989, he taught at the Dawood College of Engineering and Technology and the NED University of Engineering and Technology, both located in Karachi, Pakistan.

## Ag sciences professor receives diversity award

Gary J. Killian, professor of reproductive physiology, has received the College of Agricultural Sciences' first Diversity Achievement Award.

The award recognizes faculty and staff who demonstrate commitment to fostering an environment in which diversity is understood, valued and promoted.

Dr. Killian served as an instructor in the college's Agricultural Institute for Minority Services (AIMS) from 1985 to 1987. In 1986, his laboratory hosted an AIMS student for two weeks of research training. In 1988, 1989 and 1990, he hosted a minority high school student for six weeks as part of the Minority Student Apprenticeship in Agriculture Program. He also has made efforts to recruit minority faculty to Penn State.

## Inn named best

The Nittany Lion Inn has been voted as the Best Restaurant in Centre County in the eighth Annual APPRISE Readers' Choice Restaurant Survey. APPRISE, Central Pennsylvania's regional magazine, is a publication of WITF, Inc.

## Founding member of McKeesport board commended

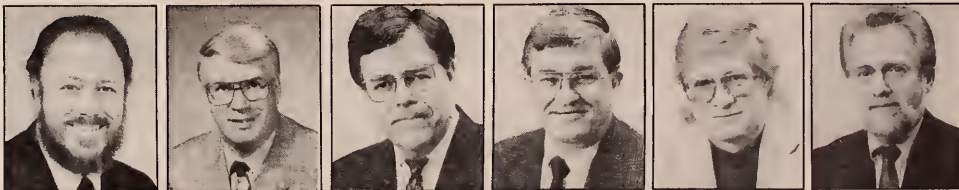
Thaddeus S. Merriman Jr., founding member of the Penn State McKeesport Campus Advisory Board, has received a Commendation of Merit for his years of faithful service to the campus.

Mr. Merriman was present at the incorporation of the McKeesport Campus Advisory Board on Sept. 12, 1955, and served on a committee of three to secure the land on which the campus is now permanently located. The first building, known as the Main Building, was dedicated in 1957.

He served as vice president of the board from 1955 until 1973. As chairman of the Finance Committee in 1958, he spearheaded a successful \$450,000 fundraising effort for the construction of the Science Building.

Mr. Merriman will remain on the board as an emeritus member.

## 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, Neil Dowlin, editor in Agricultural Information Services in the College of Agricultural Sciences; and Larry Ermol, buyer II, Purchasing Services; James T. Elder, instructor in speech communication and director of alumni relations; Thomas F. Hoffacker, director of business services; John F. Houlihan, professor of physics, and John C. Tamplin, assistant professor of English, all at the Penn State Shenango Campus.



Also observing 25 years of service at The Milton S. Hershey Medical Center are, from left, Earl W. Eshenauer, manager of the biomedical electronic lab and printing services; Peter S. Houts, associate professor of behavioral science; Leonard S. (Jim) Jefferson, professor and chairman of cellular and molecular physiology; Kenneth L. Miller, director of health physics and professor of radiology; Mordecai J. (Mort) Moore, research assistant in biological chemistry; and Glenn E. Morfimore, professor of cell and molecular biology.

## FACULTY / STAFF ALERTS

**"Million Dollar Challenge"**

Faculty and staff members who plan to donate funds as part of the Million Dollar Challenge, issued recently by Coach Joe Paterno, may donate funds to any project or program they prefer—donations are not limited to the library campaign. Coach Paterno announced that if faculty and staff give \$2 million to any part of the University by June 30, an alumnus has promised to donate \$1 million to the Campaign for the Libraries.

**Staff Performance Appraisal Program**

This month marks the beginning of the 1992-93 Performance Appraisal Program for exempt and nonexempt staff at the University. The program covers staff job performance between March 1992 and February 1993. While the Performance Appraisal Program represents the formalized portion of the appraisal program, supervisors are encouraged to engage in year-round communication with staff members. Daily dialogue and feedback between supervisors and staff members is at the core of successful job performance.

For the first time, this year's appraisals will involve the combined staff classification into one program (the former clerical classification in previous years was rated separately). Supervisors will be completing the same appraisal form for everyone.

University staff, supervisors, and administrators are asked to pay particular attention to this year's appraisal, as it marks the beginning of the University's shift toward a merit-based salary increase program. Under this system, staff will be compensated in direct relation to their performance. The movement toward a merit-based pay program is commensurate with the adoption of Continuous Quality Improvement (CQI) and its ramifications for service delivery. While the merit-based salary system is not yet finalized, it is important that supervisors regard this year's appraisal as a first stage toward appropriate documentation.

It is important for supervisors to set aside sufficient time to meet with their staff to review the past year's accomplishments and to suggest ways to enhance performance. It is anticipated that this investment of time will lead to better communication and greater productivity within the unit or department.

Supervisors are strongly urged to take into account the contributions staff make beyond the confines of their delineated responsibilities toward the general betterment of the University. It is also important to recognize and reward a staff member's participation in diversity-related efforts that impact the University and the local community. The assumption of these "beyond-the-job" responsibilities and duties plays a significant role in improving the University and community environment, and should be compensated appropriately.

The Office of Human Resources, in conjunction with other members of the University community, will develop a new appraisal instrument to be piloted during the year. The new program is expected to be in place for next year.

The appraisal forms for this year's program will be distributed University-wide in early February. Supervisors wishing to receive instruction on how to deliver effective performance appraisals should call the Human Resources Development and Training Center at 865-5907 to enroll in a scheduled workshop.

**Earned income credit**

You or someone you know may be eligible for the Earned Income Credit (EIC). EIC is a tax benefit for working families that had an income of less than \$22,370 in 1992 and at least one child living at home for more than half the year. Families that qualify can receive up to \$2,211 this year.

How does EIC work? Eligible families are required to file a federal income tax return (using either Form 1040A or 1040) and a tax form called "Schedule EIC." Since the EIC is a refundable credit, eligible families who owe no income tax will receive a check from the Internal Revenue Service (IRS) in the amount of their credit. Those families who do owe income tax will receive a refund.

For more information on EIC and the Child and Dependent Care Credit for families who pay child care expenses, call the IRS toll-free at (800) 829-1040 or the VITA office in Centre County at (814) 234-8222.

**Counts for faculty and staff**

The Office of Human Resources is offering the following counts through the HRD Center. Please call the center at 865-8216 for registration information.

♦ **Homophobia/Heterosexism** This program provides accurate information about homosexuality and how our attitudes about sexual orientation influence our work lives. Meets from 1:15-4 p.m. on Monday, Feb. 8; cost none.

♦ **Train The Trainer** This course is designed for managers and supervisors who want to introduce their staff to an overview of CQI. \*Prerequisite: an Overview of Continuous Quality Improvement. Meets from 1:30-4:30 p.m. on Wednesday, Feb. 10, and Friday, Feb. 19; cost none.

♦ **Facilitator Training I** This course covers the necessary skills for group facilitation and managing the group process. Designed for those interested in facilitating CQI teams. \*Prerequisite: Overview of Continuous Quality Improvement. Meets Friday, Feb. 12, from 9 a.m.-4 p.m.; cost none.

♦ **Facilitator Training II** This course continues the concepts discussed in Facilitator Training I, and offers an introduction to the statistical tools used to facilitate the CQI process. \*Prerequisite: Facilitator Training I. Meets on Wednesday, Feb. 17, from 9 a.m.-4 p.m.; cost \$10.00 (includes lunch).

♦ **Making Successful Presentations** This workshop will help participants develop an effective personal speaking style for clear, dynamic public speaking. Meets from 9 a.m.-4 p.m., Monday, Feb. 15; cost \$55.00.

♦ **Understanding And Valuing Diversity** This course incorporates theory and practical skills designed to increase awareness of personal values related to minority groups and to improve interactions with culturally diverse individuals, including colleagues in the work area. Meets Tuesday, Feb. 16 from 9 a.m.-4 p.m.; cost none.

♦ **Resume Preparation** This course offers tips on updating a resume from someone who reviews resumes daily and knows how you can best present yourself on paper. Meets Wednesday, Feb. 17, from 1:30-4:15 p.m.; cost none.

♦ **Performance Appraisal** This program will cover the objectives of performance appraisal at the University, the appraisal form, suggestions for observing and recording performances, and performance appraisal interview techniques. Meets from 1:15-4 p.m. on Thursday, Feb. 4, or Feb. 18; cost none.

♦ **Communication** Having the right people working on the right process does not ensure team success if team members are not communicating effectively. Topics include: how to listen, brainstorm, manage conflict, and build consensus. \*Prerequisite: Overview of Continuous Quality Improvement. Meets from 8:30-11:45 a.m. on Friday, Feb. 19; cost none.

♦ **Customer Service** This course enables people at every level to exceed customer expectations and learn that legendary service is designed around 10 fundamental issues, and what they are. Meets from 8:30 a.m.-noon, Feb. 23-March 2 (Tuesdays and Friday); cost \$75.00.

♦ **Profmaties** This course is designed to help people eliminate communication errors by proofreading through a series of scans, rather than reading each one. Meets Feb. 23-March 4 from 2-4 p.m. (Tuesdays and Thursdays); cost \$150.00.

♦ **Disability, Looking Beyond The Label** This workshop offers an introduction to disability issues, terminology, and legal rights. Meets Wednesday, Feb. 24, from 8:30-11:45 a.m.; cost none.

♦ **Understanding Your Benefits** A brief overview of all 12 University benefits will be presented, with the opportunity to ask questions. Meets Wednesday, Feb. 24, from 1:15-3 p.m.; cost none.

**Telephone book recycling**

Telephone books from Bell of PA and Donnelly will soon be arriving on campus. The Office of Physical Plant reminds you there are a couple of things each of us can do to help with waste reduction and recycling.

If you have received more than one directory in the past, this year we encourage you to request only one. This will help reduce waste in the future. Unlike past years, telephone directories can be recycled in the newspaper recycling barrels.

When you receive your new phone book, simply take your old one to the newspaper recycling barrel located in your building.

Each year the University distributes over 70 tons of Bell of PA, Bell of PA, and Donnelly directories. Seven tons of phonebooks were collected in last year's effort to recycle Bell and Donnelly directories. Questions can be referred to the Penn State Recycling Hotline at 865-8000.

**Nominations sought for four annual student awards**

Nominations are being sought for the President's Award, the Ralph Dorn Hietzel Award, John W. Oswald Award, and the Eric A. Walker Award—and the Graduate Student Service Award.

♦ The Ralph Dorn Hietzel Award recognizes the achievements and potential of outstanding undergraduate students who have demonstrated the qualities of responsible leadership during their college careers and give promise of public spirited achievement in the future.

♦ The John W. Oswald award recognizes graduating seniors who have provided outstanding leadership in at least one of several areas of activity, including: scholarship; athletic, social services, religious activities and student government; journalism, speech and the mass media; creative and performing arts.

♦ The Eric A. Walker Award recognizes, during the academic year of graduation, a senior student whose activities and achievements have enhanced the public esteem and renown of the University.

♦ The Graduate Student Service Award recognizes the graduate student who has best combined high academic achievement with leadership in University or other public activities.

Applications are available at the HUB/Kern/Bouck desks or 106 Eisenhower Chapel at University Park. Nominations are due Feb. 15 in the Office of Religious Affairs in Eisenhower Chapel.

**Community Center at Berks is renamed**

The Community Center building at the Penn State Berks Campus has been renamed the Beaver Community Center in honor of Howard O. "Mike" Beaver Jr., who has served the University and the Commonwealth for many years.

Mr. Beaver chaired the 1978 Berks Campus Capital Campaign that generated the funds to construct the Community Center which opened in 1982. The center includes a large gym, a smaller gym, locker rooms, a training room and offices.

A director and retired chairman of the board of Carpenter Technology Corporation, Mr. Beaver is a 1948 graduate of Penn State with a bachelor of science degree in metallurgy. He graduated from the chemistry of steelmaking course at Massachusetts Institute of Technology in 1955 and from the management program for executives at the University of Pittsburgh in 1967. He received an honorary doctorate of science from Albright College in 1982.

Mr. Beaver is a life member of the Penn State Alumnae Association, and was president of the Berks Campus Advisory Board. He also is a member of the Mount Nittany Society and was a member of the Executive Board of the Alumni Council.

He has received many honors for his service to Penn State and the Commonwealth, including the University's Distinguished Alumni Award in 1991, the Distinguished Service Award in 1982 from the Berks County Chamber of Commerce, and the Horatio Alger Award in 1981.

In 1992 he was named Penn State Trustee Emeritus in recognition of his loyalty and service to the Board of Trustees. He served on the board from 1978 to 1990.



# Focus on Research



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## Pizza-eating cows can help solve waste problem

The standard vision of cows sedately munching on bland diets of corn and alfalfa could change to a menu of pizza, pasta or pretzels if University researchers have their way.

University animal scientists believe they have found a use for portions of the millions of tons of food wastes generated annually by food processing companies in the United States.

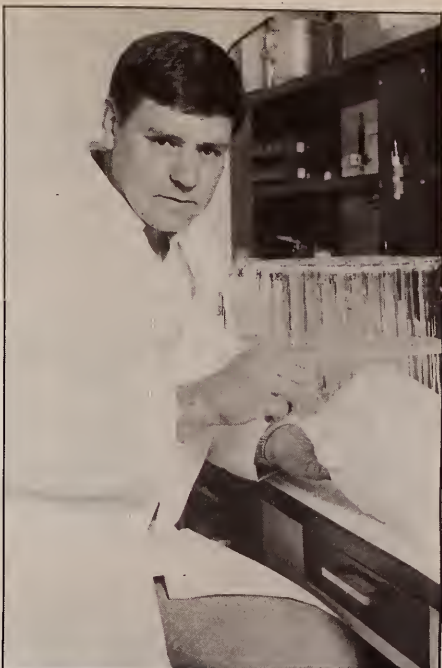
Adding food deemed as waste — like products with expired shelf lives — to traditional livestock rations is a viable alternative, according to Harold Harpster, associate professor of animal science.

"Manufacturers of cereal, potato chips, canned vegetables and a host of other products are struggling to dispose of food wastes or the byproducts of their operations, like stems and peels," said Dr. Harpster. "We've found that a number of byproducts have great potential in animal feed, and we're surprised at the level of digestible nutrients in many of the food wastes."

Because of rising disposal costs and dwindling landfill space, food processors are anxious to find alternative uses for their waste. In turn, consumers could reap the benefits; lower costs for industry giants means potential savings could be passed on to them.

"Not only will food processors be helped, but livestock producers who are strapped with high feed costs can reduce their costs by supplementing the conventional animal diets with these alternative sources of nutrients," Dr. Harpster said. "In addition, this just gives one more boost to the environment by finding better uses for waste materials."

Although no national figures are available on the amount of food wastes generated, Pennsylvania alone — which houses only 2 percent of the food processing industries — generates an estimated 4.8 million tons of food waste or byproduct every year. But through the help of a user-friendly computer program now being developed by Dr.



Harold Harpster

Photos: Greg Grieco

Harpster and colleague Dennis Buckmaster, assistant professor of agricultural engineering, the waste pile could be diminished.

"When completed, determining the appropriate amount of byproduct feed to add to a given animal diet should be as easy as the click of a computer mouse," Dr. Harpster said.

Designed to calculate a least-cost ration meal plan, the computer management model is based on windows with pull-down menus and dialogue boxes. Once a livestock producer enters information on the type of livestock they own, the feed currently used and the kind of byproduct they're interested in using, the computer program will not only deliver a balanced ration, but will also display a map locating places where a particular byproduct is available.

It also can tell the producer whom to contact and the type of food waste on hand, and can help the user calculate the estimated cost for purchase and transport. The program currently is only geared toward Pennsylvania.

The information supplied by the computer program is part of a data bank being set up by Dr. Harpster and Gabriella Varga, assistant professor of animal science. After analyzing samples of a variety of food industry wastes from popcorn to chocolate cream-filled candy eggs, Drs. Harpster and Varga have determined the nutritional content of more than 50 waste products.

"We receive many calls from industry about analyzing all kinds of things," he said. "Inquiries range from possible uses for chewing gum byproducts to cereal boxes. We're willing to look at most anything, but the nutritional value to the animal is key to a product's success."

Through their work, Drs. Harpster and Varga have determined that flavored nuts, a broccoli-and-pasta mixture, pizza waste and many vegetable byproducts have feed value. However, like humans, animals need to watch their fat intake and, in some cases, the fat content of a waste product may be too high.

By using a continuous culture fermenter, which simulates the digestive process of animals, the researchers are able to determine how the mix will affect an animal.

Some problems that still need to be worked out before full-scale use of food wastes is undertaken are the high-water content of many of the waste products, the task of keeping the waste stream as clean as possible and the difficulty in storing waste products before use.

In the future, Dr. Harpster hopes to see an increase in the use of various slaughterhouse waste, such as bonemeal and wastewater as feed additives.

"There is tremendous potential here for improving the environment and aiding some basic industries," Harpster says. "These groups can band together for workable solutions to a number of problems."



Gabriella Varga and Dennis Buckmaster

— Lisa M. Rosellini

# CQI

## Continued from Page 1

"Serving as a facilitator gave me a chance to learn about a new area and stimulate creativity," said **Ellie Dietrich**, facilitator for The Smeal College Freshmen Orientation and Outreach Team. "I enjoyed working closely with team leader, **Debbey Grow**, as we prepared for each team meeting, making sure that meetings ran smoothly and consistently with the CQI model."

### Simplifying the advising process

Each semester, thousands of students visit The Smeal College's Academic Advising Center with questions about educational planning. The staff felt students had to face several unnecessary steps before actually talking to an adviser and decided it was time for a change.

An eight-member team was charged to examine the intake and reception process and to improve the efficiencies, using current resources. About 70 students were interviewed by telephone about the service they expected and whether or not their expectations were met.

Eighty percent of their responses focused on five specific issues: waiting time, the intake form and clipboard, physical space, walk-ins vs. appointment issues, and junior/senior use of the center.

Taking the results, the team developed an activity flowchart and a fishbone diagram that identified the root causes of the problems.

"The most challenging aspect was to reach consensus among team members on what the root problem was," Mr. Farnsworth noted. "We had to analyze customer behavior, try to identify patterns and figure out what to do with all the exceptions."

The next step was examining similar procedures at several University units and two local medical centers.

The team then engineered a three-part solution: writing a policy with procedures for the center, designing a

training program, and communicating the new policy and procedures to students.

Eliminated were repetitious clipboard sign-ins, duplicate waiting areas, another intake form, an elevator ride to obtain photocopies of records, and a set of questions asked at the counter.

Students walking into the center now fill out one form and are immediately offered options: waiting briefly to see the walk-in adviser or making an appointment for another day. Walk-in advising is limited to 10 minutes. Appointments allow time for the more complex issues.

**CQI** Intake and Reception Team: **Ron Koot** and **Sue Winck**, sponsors; **Lynne Grutzeck**, team leader, **William Farnsworth**, facilitator; **Sue Ayers**, **Sandy Cassidy**, **Barbara Gross**, **Pat Mutzeck**, **Susan Norling** and **Patty Zugenbuehler**, team members.

### Expanding orientation

The freshman orientation and outreach team (F.O.O.T.) was charged to expand the current two-day orientation for entering Smeal College freshmen to encompass the entire first-year experience.

"This was a major change from viewing orientation as an event to viewing it as a process," Ms. Dietrich said. "A student's systematic transition to the college environment is not accomplished in a day or two, but gradually over time."

About 60 Smeal College freshmen and sophomores were interviewed by telephone. Major student concerns centered on acquiring information about business majors and careers, and scheduling.

The orientation team created a flow chart and a fishbone diagram, which pinpointed four areas to form a framework for the implementation plan. The team then focused on strategies to: enhance linkages between the advising center and other Smeal College offices; improve delivery of information regarding majors; expand the orientation perspective to include all contacts with freshmen; and promote development of an introductory freshman year course.

"It became apparent that we needed to change the philosophy or

vision of the first-year activities," Ms. Dietrich noted.

The team also gathered information from 10 other universities, mostly public universities, about their orientation programs. The overall result was the development of a year-long timeline of orientation events, which included:

—Emerging the two-day orientation program by including improvisational theater, alumni presentations and a student-produced slide presentation;

—Contacting each freshman advisee through a personal phone call or note from an adviser each semester;

—Creating a "Freshman Focus" newsletter printed twice a semester to inform freshmen of scheduling issues and major selection programming.

The team presented the plan to the entire undergraduate program's staff. A flyer has been distributed to the college community, including faculty. An orientation coordinator from the team was appointed to ensure that the solutions would be successfully implemented.

In August 1992, the first two "new and improved" freshman events were conducted, including a college meeting hosted by upperclass students, rather than administrative staff. Out of 288 freshman evaluations, 88 percent rated the program "useful."

A "Getting Involved" program introduced students to opportunities for involvement in the college and getting acclimated to the University environment. That received an 89 percent rate of "useful or very useful."

"The team found these successes energizing as they moved forward in implementing other solutions," Ms. Dietrich said. "Although my role has come to a close, the team will meet regularly during the year to monitor progress, and results from student evaluations will help shape future activities."

**CQI** Freshman Orientation and Outreach Team: **Ron Koot**, sponsor; **Debbey Grow**, team leader; **Ellie Dietrich**, facilitator; **Bruce Ellis**, **Jane McCandless**, **Ellen Walker**, **Rose Mary Witham** and **Susan Winck**, team members.



Sue Ayers, (left) a secretary in the Business Administration Building, helps streamline operations for sophomore Diane Abels.  
Photos: Greg Grieco



Karl Davidson, a business logistics student, gets fast, friendly advice from Ellen Walker, academic adviser, as part of The Smeal College's Academic Advising Center's CQI initiatives.

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February 4, 1993  
Vol. 22, No. 19

PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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## Filmmaker Spike Lee to visit University Park Feb. 22

Colloquy, the Penn State student-run speaker series, is sponsoring a presentation by filmmaker Spike Lee at 8 p.m. Monday, Feb. 22, in Eisenhower Auditorium at University Park.

About 2,500 free tickets will be available beginning Wednesday, Feb. 17 to the public on a first-come basis at the Hetzel Union Building Information Desk and Kern Graduate Building.

Mr. Lee is expected to talk about his experiences as director of "Malcolm X," "Do the Right Thing," "Jungle Fever" and other films. He also is likely to talk about racism and other current campus issues during a question and answer session with the audience. Penn State is the only Pennsylvania appearance Mr. Lee will make at this time.

With the success of his first independent film, "She's Gotta Have It" in 1987 and his follow-up movie, "School Daze," in 1988, Mr. Lee became the most prominent Black filmmaker in America. A graduate of Morehouse College in Atlanta and the New York University Film School, he has won acclaim for his unsteretyped depictions of the Black middle class.

Mr. Lee was born in 1957 in Atlanta, Ga., the oldest of five children of jazz bassist and composer Bill Lee, who also graduated from Morehouse College, and teacher of art and Black literature Jacquelyn Lee, who graduated from Spelman College. "Spike" was a nickname his mother gave him as a child.

The family moved to Brooklyn in 1959, which then

became the setting of "She's Gotta Have It," which received the prize for the best new film at the Cannes Film Festival. "School Daze," a mixed musical and satirical film, is Mr. Lee's portrayal of the Black college experience, which received mixed reviews but made *Variety's* weekly list of top 10 money-making films in March 1988. "Do the Right Thing," released in 1989, firmly placed Spike Lee among all-American top filmmakers, and "Malcolm X," released in 1992, is in other recent films include "Jungle Fever," 1991 and "Mo' Better Blues," 1990.

Mr. Lee was scheduled to speak at Penn State's NAACP Achievement Awards Banquet in 1990, but had to cancel for emergency reasons. The University has sponsored free viewings of "Malcolm X" and "Do the Right Thing" in a State College movie house, with follow-up discussions.



Spike Lee

## Collaborative effort leads to establishment of Geriatric Education Center

Penn State, University of Pittsburgh and Temple University have collaborated to establish the Geriatric Education Center of Pennsylvania, to provide training for health care providers who work with older adults.

Funded by a three-year, nearly \$1 million grant from the Health Resources and Services Administration, the center will provide geriatric education programs for health care practitioners, college and university faculty and members of professional organizations.

Training programs will span such disciplines as medicine, nursing, pharmacy, occupational therapy, physical therapy, speech/language pathology, audiology, dentistry and mental health. Training also will include multidisciplinary programs in minority health care, ethics and geriatric assessment.

Each of the three participating universities will serve as the regional base for training programs in its part of the state. Some of the center's programs will be offered in cooperation with state professional organizations, continuing education centers at the three collaborating institutions and the Veterans Administration Medical Centers.

See "Geriatric" on Page 6

## Twenty-first Dance Marathon kicks off this month



Doing it for the kids ... These two tired students continued dancing during last year's marathon to help raise money for the Four Diamonds Fund.

Photo: Gene Maylock

Although Penn State's annual Dance Marathon has earned the honor of being the largest student-run philanthropy in the nation, it's more than just a fundraiser.

It's a learning experience, a lesson in volunteerism and a selfless act of love on the part of the nearly 2,000 students who get involved.

The annual IFC/Panhellenic Dance Marathon is 48 hours of grueling motion for 540 dancers, who last year—in the throes of a recession—managed to break the million-dollar barrier and raise \$1,141,145 for kids with cancer at The Milton S. Hershey Medical Center. For the hundreds more who work behind the scenes to pull off the yearly event, it's a hectic, fast-paced, emotional roller coaster.

"Every year, it makes me feel good to be at the Marathon and see these students who are giving of themselves and giving not only financial support, but emotional support to the patients, their families and all of us at the Medical Center," said Dr. John Neely.

As chief of pediatric oncology/hematology at the Medical Center, Dr. Neely divides his time between patients and his laboratory, where he pursues a cure for cancer.

"Our division literally wouldn't be able to function without the Four Diamonds Fund," he said.

This year theTHON kicks off on Friday, Feb. 19, and runs through Feb. 21 in the White Building at University Park. Since 1977, a total of \$4 million has been raised for the Four Diamonds Fund, a fund established in memory of 14-year-old Christopher Millard. Christopher wrote about a gallant knight of King Arthur's Round Table with the same last name. Sir Millard was forced to overcome evil in his quest for the four diamonds of Courage, Wisdom, Honesty, and Strength—all traits cancer patients must possess to face their own battle.

See "Dance" on Page 3

# Multicultural murals grace walls of HUB gallery

University students, faculty and staff have teamed up to create five multicultural murals, currently on exhibit in the Hetzel Union Building Browsing Gallery at University Park.

Each mural, measuring 8-by-11-feet, broadly represents the cultural diversity at the University of Pennsylvania. The murals include Native American Indians, African/Black Americans, Asian Americans, Hispanics/Latino Americans and multicultural people. The exhibit will run until Feb. 28 and will be on display in residence hall cultural lounges.

"The mural project was a cross-cultural experience," Ann Shields, assistant director of the HUB Art Galleries and Special Programs, said. She brought together students, faculty and staff from the Office of Student Affairs and the School of Visual Arts for the collaborative effort.

Prior to the actual painting, the art students met with the Black Caucus, Puerto Rican Student Association, Latino Caucus, Asian American Student Coalition, Native American Indian Student Association and the University Student Advisory Board to gather ideas and images.

According to Santa Barazza, assistant professor of art and art director of the project, "Murals painting has an ancient histo-

ry in the continent of the Americas. In the early 20th century, Mexican muralists

the 1960s and 1970s, a renaissance of mural art spread throughout the U.S., led



This is one of the five multicultural murals on display in the HUB at University Park. Photo: Greg Grieco

developed a modern art as a form of nationalism and resurrected the mural to educate the masses during its reconstruction period.

"That mural movement inspired the development of a similar movement in the United States in the 1930s and 1940s. In

by minority activist artists who were expressing political and social concerns as a consequence of the civil rights movement."

Rich, golden, red and green autumn hues dominate the mask-like quality of the African/Black American mural. The

cubistic masks, whose histories are rooted in African tradition, are a symbol of empowerment and reclamation for Black people.

The Latino/Hispanic American mural depicts the diversity of the racial groups of the Latino/Hispanic culture in the Americas, particularly Mexico, Central America, South America and Puerto Rico. The central theme is the history and emergence of the mestizo, a hybrid of European and American indigenous people, as preservers of an ancient culture.

Shared cultural elements, such as rice, bamboo, religious symbols and elements of the Asian landscape, decorate the Asian American mural. Artists show the complexity of the many histories, languages and religions that make up Asia and that have contributed to the development of individual experiences and cultures.

The main focus of the Native American mural is education. Among the three figures is Sequoyah, the Cherokee linguist who was the first Native American to use formal education to teach the Cherokee language to his tribe. The medicine wheel displays the four directions and the four colors of humanity — red, black, white and yellow.

## DIVERSITY OPPORTUNITIES CALENDAR

**Thursday, Feb. 11**  
Women's Studies, 8 p.m., Paul Robeson Cultural Center. Black History Month presentation titled, "Black Woman's Story" by lecturer Becky Birba.

**Sunday, Feb. 14**  
Penn State Minority MBA, 6 to 9 p.m., Days Inn Penn State. Valentine's Day event featuring musical performances by vocalist Michael Anderson, members of the United Solo Ensemble and State College musicians Lamont O'Neal and friends. For more information call 863-0474 or 231-8371.

**Monday, Feb. 15**  
Paul Robeson Cultural Center, 8 p.m., Paul Robeson Cultural Center. Black History month presentation titled, "History of the Prince Hal Messony," by Charles Duncan.

**Wednesday, Feb. 17**  
Center for Ethnic and Religious Affairs and

Black Graduate Students Association, 7:30 p.m., Paul Robeson Cultural Center. "Third Annual Malcolm X Symposium" with panelists Bernard Bell, professor of English; Amirah Naim, African American studies student; Harold Cheatham, Department of Counselor Education, Psychology and Rehabilitation Services Education head and professor of Education; and Lawrence W. Young, Paul Robeson Cultural Center director.

**Thursday, Feb. 18**  
Center for Ethnic and Religious Affairs, 7:30 p.m., Paul Robeson Cultural Center. "The Third Annual Malcolm X Lecture," by Maulana Karenga, California State University at Long Beach director of Black Studies and founder of African/Black American holiday Kwanzaa.

**Saturday, Feb. 20**  
Office for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "Vital Workshop" is the third in a series of work-

shops. James B. Stewart, vice provost for educational equity, will be the speaker. To make reservations, contact Leah Witzig at 863-1663. All junior faculty are welcome to participate.

**Saturday, Feb. 27**  
Office for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "Promotion and Tenure Roundtable" is the fourth in a series of workshops. Blarrie Bowen, professor of agricultural and extension education, will be the speaker. Attendance is limited to those who have participated in a previous promotion and tenure workshop. To make reservations, contact Leah Witzig at 863-1663.

**Until Feb. 28**  
Hetzel Union Bldg. Browsing Gallery. Five multicultural murals representing cultural diversity at Penn State.

## Kwanzaa founder is keynote speaker at Malcolm X event

Renowned Black studies professor, Maulana Karenga, California State University Black Studies Department director and founder of African/Black American holiday Kwanzaa, will be the keynote speaker for the Third Annual Malcolm X Symposium and Lecture, Feb. 17-18, at University Park.

Dr. Karenga will lecture at 7:30 p.m. Thursday, Feb. 18, in the Paul Robeson Cultural Center.

In 1966, Dr. Karenga established Kwanzaa, a seven-day celebration that runs from Dec. 26 through Jan. 3. Kwanzaa literally means "first fruits of the harvest" (in Swahili, and is intended to be a year-end feast during which respect for family, community, and African traditions are taught. The celebration adopts practices prevalent throughout Africa and is quickly being recognized among the list of holiday celebrations in the United States — although many African/Black Americans have celebrated the event for decades.

The first day of the two-day tribute to Malcolm X will feature a symposium and panel discussion at 7:30 p.m. Wednesday, Feb. 17, in the Paul Robeson Cultural Center. Panels will be Bernard Bell, professor of English; Amirah Naim, African/Black American studies student; Harold Cheatham, head of the Department of Counselor Education, Counselor Psychology and Rehabilitation Services Education; and professor of education; and Lawrence W. Young Jr., Paul Robeson Cultural Center director.

Admission for both events is free.

## Musical event to raise funds for minority MBAs

Vocalist Michael Anderson will headline a special Valentine's Day musical event to raise funds for The Smeal College Minority MBA Scholarship Fund. "A Night of Universal Love" will be held in the Days Inn Penn State, Feb. 14 from 6 to 9 p.m.

Along with Mr. Anderson, an Amateur Night at the Apollo winner and a Smeal College MBA, the entertainment will include special guests Lamont O'Neal and Friends and members of the United Solo Ensemble.

Tickets are \$4 for students, \$8 general admission. For further information, phone 863-0474 from 9 a.m. to 5 p.m. and 231-8371 after 6 p.m.

"A Night of Universal Love" is cosponsored by the Days Inn and Smeal College Minority MBAs.

## Ten receive minority research awards

Ten undergraduates have been selected to take part in the Penn State National Space Grant and Fellowship Program's Minority Undergraduate Research Awards. The \$750 awards underwrite the costs of the student's research project over one semester.

"We try to find any productive purpose that the faculty member and the student agree on," Sylvia Stein, Space Grant director said. "And that means we need to be flexible."

This year's projects include an unusual cross-disciplinary female faculty-student project and a summer study arrangement for an outside student who is interested in attending Penn State for graduate work.

Past awards have been used to pay for computer time, software, laboratory supplies, student travel to professional conferences and to buy out a student's time from a part-time job.

Penn State's Space Grant program is one of 52 NASA-funded consortia established nationwide to foster excellence in science, math and technology education. The participation of minorities, women and other under-represented groups in these fields is a prime Space Grant goal.

# Dance

## Continued from Page 1

The Dance Marathon and the Fund provide direct financial support for the families of children afflicted with cancer. Since the Fund's creation, not one family that has turned to it for assistance has been denied. The fund also

**The hardest part...is "knowing that after 48 hours you can go home and sleep, but for the children who are dealing with cancer, the fight will go on."**

Rick Funk  
coordinator of Greek Life

supports pediatric cancer research, and the salaries of social workers and Child Life staffers who work directly with the children and their families.

"It's really quite amazing what these students are able to do," said Louise Huntley-Brown, associate director of development at the Medical

Center. "These students are creating a legacy for supporters of the Four Diamonds Fund and the University."

Ms. Huntley-Brown said this vast amount of money that is raised through the Dance Marathon is an integral part of the fund-raising program for the Medical Center.

"Some of these student groups raise more money than do some professional philanthropic organizations," she said. "This is a perfect example of how a volunteer effort can be truly successful."

Rick Funk, coordinator of Greek Life, said the Dance Marathon is not only a chance for students to help others, but an opportunity for faculty and staff to support their efforts.

"Because learning occurs outside the classroom, as well as inside, this experience gives students the opportunity to develop important skills," he said. "It's a chance for students to use interpersonal skills, fundraising skills and motivational skills. They develop a stick-to-it attitude, learn about following through and how to overcome obstacles."

Both Mr. Funk and Ms. Huntley-Brown agreed that involvement in the Dance Marathon leaves an indelible mark on most participants, and sheds a favorable light on the University.

"We are training a lot of young

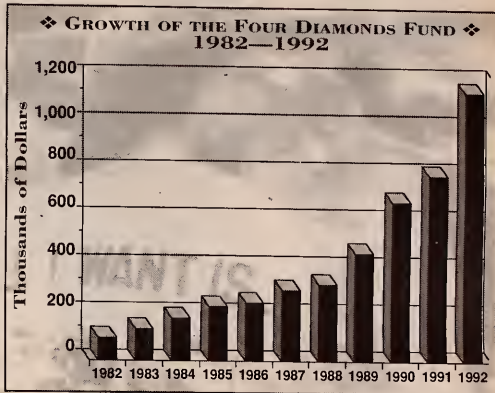
people on how to raise money for a good cause," she said. "We are helping a lot of people understand for the first time what volunteerism is about."

"I hope that people see the Dance Marathon as more than just a fundraiser. The students spend a lot of time on this effort," Mr. Funk added. "They meet with the families of the children, they become enthused about helping others, and they are truly thinking

beyond themselves and providing support, love and attention to the children."

The hardest part about the exhausting, emotion-filled two days, according to Mr. Funk, is "knowing that after 48 hours you can go home and go to sleep, but for the children who are dealing with cancer, the fight will go on."

—Lisa M. Rosellini



## NEWS IN BRIEF

### Educational Office Professionals

Heather Chalkids, editor in the Department of Publications, will present a program on "Penn State Editorial Style; University Publications and the Style that Binds Them" at a meeting of Penn State Educational Office Professionals at 12:10 p.m. Thursday, Feb. 11, in Room 305 Hetzel Union Building at University Park.

The Penn State Chapter of Educational Office Professionals is affiliated with the Pennsylvania Association of Educational Secretaries and the National Association of Educational Professionals. All PSEOP special topic meetings are open to the public.

### Adult Learners

The Center for Adult Learner Services is sponsoring a program for adult learners titled "Transition from Penn State to a Career" at 6 p.m. in 323 Boucke Building at University Park. The program will be presented by Marcia Pomeroy and Gretchen Foust, of Career Development and Placement Services.

### Libraries seminar

The University Libraries is offering an Electronic Engineering Resources Seminar in the Training Lab, C402 Pattee Library, at 2 p.m. today and at 7 p.m. March 23.

The seminar is the second in a series of "hands-on" sessions offered by the Libraries to help users learn more about the growing number of electronic databases available through the Library Information Access System (LIAS). Among resources to be demonstrated are the Engineering Index Page One (EIP), which now is available

through LIAS, and Compendex, the Engineering Index on CD-ROM.

To register, contact Sandy Stauffer, at 865-0401 or by electronic mail at sxs@psu-liax.psu.edu.

### Founders' Day

The Penn State Lion Ambassadors, Alumni Association and the Office of University Development invite you to join Penn State in celebrating its founding. On Feb. 22, we will be commemorating 138 years of Penn State excellence.

The day's events begin at noon in the Hetzel Union Building and include keynote speakers, activity booths, and much more. That night, view campus and the surrounding area from the Old Main Bell Tower. The Lion Ambassadors also will be giving Lantern Tours of campus from 6 to 8 p.m. Monday, Feb. 22, through Thursday, Feb. 25.

For more information contact the Lion Ambassador office at 814-863-3752.

### Program restructured

The Pension and Welfare Research Program, a research arm of The Smeal College of Business Administration, has been restructured under the leadership of Arnold F. Shapiro, Robert G. Schwartz, Endowed Fellow in Business Administration.

Renamed the Risk Management Research Center to reflect its new mission, the center's goal is to facilitate interdisciplinary research in corporate and personal risk management, insurance, and employee benefit plans. Working with Dr. Shapiro are research associates Dong-Han Chang, assistant professor of insurance, and Lisa L. Posey, assistant professor of business administration.

### Health services hours

University Health Services will close at 6 p.m. Friday, March 5, and remain closed on Saturday, March 6; Sunday, March 7, and Saturday, March 13. Health services will be available Monday, March 8, through Friday, March 12, from 8 a.m. to 5 p.m. Urgent care services will be available on Sunday, March 14, from 1 p.m. to 5 p.m. On Monday, March 15, normal hours will be resumed.

The 24-hour Observation Unit will close at 6 p.m. Friday, March 5, and reopen Monday, March 15, at 8 a.m. Throughout the spring break period, 24-hour/day ambulance service will be available.

### Mardi Gras Night

A bit of Bourbon street will be evident on Thursday, Feb. 18, as the Faculty Staff Club sponsors Mardi Gras Night from 5 to 7 p.m. in the Board Room of the Nittany Lion Inn.

This festive evening will feature New Orleans specialties such as seafood jambalaya, chicken and sausage gumbo, and King Cake. The cost will be \$4.99 per person. This event is open to Faculty Staff Club members and their guests. Members should remember to bring their faculty-staff ID cards.

Mardi Gras Night is the second "Third Thursday" evening sponsored by the Club. Third Thursdays will be held monthly as a way for Club members to relax and socialize after work. The next Third Thursday evening will be March 18.

Questions about Mardi Gras Night can be referred to Sally Kalin (gwk@psu-liax, 865-0672) or Sandy Edwards (863-4012), co-chairs of the Club's Programming Committee.

## Conservation efforts save \$189,000

We did it—together.

Thanks to conservation measures taken by University Park employees prior to the December holiday vacation, the Office of Physical Plant reports an energy savings of some \$189,000 for the 12-day period.

Prior to the holiday break, faculty and staff were urged to assist in conserving energy by turning off lights; closing windows; closing window blinds; turning all accessible room thermostat controls to the minimum setting; and turning off all equipment such as computers, lab equipment, and appliances. Rules for exemptions to temperature setbacks were made stricter, resulting in fewer requests. In addition, there were fewer requests for temporary use of electric heaters.

"Response to these suggestions resulted in an energy savings of approximately \$15,000 a day during the holiday period," Norman H. Bedell, assistant vice president for physical plant, said. "It demonstrates that when we pull together we can create energy savings.

"We applaud these efforts and urge everyone to continue to be energy-savings conscious in the future."

### Chamber Singers

The Penn State Chamber Singers will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The concert is free and open to the public.

### "Carmen"

Georges Bizet's "Carmen" will be performed by the New York City Opera at 8 tonight in Eisenhower Auditorium at University Park.

Bizet's Spanish tale of Don Jose's doomed obsession with the tempestuous gypsy, Carmen, received harsh criticism on the occasion of the opera's premiere in 1875. Since then, however, audiences have been mesmerized by the passionate gypsy and her songs.

The opera will be performed by 76 members of the New York City Opera National Company and will be sung in French with English subtitles.

The performance of "Carmen" is sold out. For further information, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

### Featured storyteller

My Beth Bennett, animal welfare project associate in the Department of Dairy and Animal Science, will be the featured storyteller at the Penn State Bookstore on Campus, from 10 to 11 a.m. Feb. 16.

Dr. Bennett earned her Ph.D. in agriculture and extension education from Penn State. She spent four years in Rwanda, and Cape Verde as an agricultural project officer for USAID. While in Rwanda, she became acquainted with Dian Fossey and her work with the mountain gorillas (*Gorillas in the Mist*).

Dr. Bennett will tell stories and relate her experiences in Africa to the children. She also will incorporate into her program ideas about how children perceive animals and how animals relate to people. The public is invited to attend the storytelling program which will be geared to the 3-to-5-year-old age range. For more information, contact Elizabeth Wilson at 863-3250.

### Architects to lecture

Peter Bohlin, architect with Bohlin, Powell, Larkin and Cwynski, Wilkes-Barre, Pa., will present a lecture at 5 p.m. Tuesday, Feb. 16, in Room 108 Wartik Building at University Park. The lecture is part of the lecture series, "Partners in Architecture," sponsored by the Department of Architecture.

As part of the series, George Miller, architect with M. Pei and Partners, New York City, will present a

lecture at 5 p.m. Thursday, Feb. 18, in Room 108 Wartik Building.

Both lectures are free to the public.

### Centre Dimensions

Centre Dimensions will present a concert of big band jazz at 8 p.m. Tuesday, Feb. 16, in the School of Music Recital Hall at University Park.

The first half of the program will open with Toshiko Akiyoshi's "Tuning Up" and continue with a selection of numbers by the most popular bands of the last 40 years. The late jazz great Dizzy Gillespie will be remembered in the second half of the program.

Under the direction of Dan Yoder, associate professor of saxophone and director of jazz studies.

Centre Dimensions is the premier jazz ensemble in the School of Music. The band's membership consists of freshmen through graduate musicians. The concert is free to the public.

### Dance group

The Mark Morris Dance Group will perform at 8 p.m. Thursday, Feb. 18, in Eisenhower Auditorium at University Park.

The Mark Morris Dance Group recently returned to America after serving for three years as the resident company of Belgium's national opera. Morris, cited as "the foremost choreographer of his generation," utilizes exquisite scores to display passion, wit and illusion. A company member will host an "Artistic Viewpoints" discussion prior to the show at 7 p.m. Thursday, Feb. 18, in the Eisenhower Auditorium Greenroom.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Mondays through Saturdays, at (814) 863-0255.

### URTC production

The University Resident Theatre Company will open the third production of its 1992-93 season, "Merrily We Roll Along," at 8 p.m. Friday, Feb. 19, at the Playhouse at University Park.

Defly moving from present to past, this Stephen Sondheim and George Furth musical recounts, in reverse, the rise to fame of Franklin Shepard, a successful yet jaded middle-aged composer.

Evening performances begin at 8 p.m. The matinee performance on Saturday, Feb. 27, is at 2 p.m. Student previews are at 5 p.m. Wednesday, Feb. 17, and Thursday, Feb. 18. "Merrily We Roll Along" will continue through Saturday, Feb. 27. For

ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255, Monday through Saturday, 8:30 a.m. to 4:30 p.m.

### "Pop Academics"

Graeme Boone, professor of music at Harvard University, will present a lecture, "Pop Academics," at 2:30 p.m. Friday, Feb. 19, in the School of Music Recital Hall at University Park. The lecture is the final presentation in the lecture series "Music Today: 1952-1993" sponsored by the School of Music.

Professor Boone specializes in such diverse subjects as ethnomusicology, the origins of rock and roll, jazz, and the early Renaissance composer Guillaume Dufay. He has edited books on medieval music and compiled essays on jazz and rock and roll music. A graduate of Harvard University, he also has studied at the Conservatoire Nationale Supérieur de Musique in Paris and the Ecole Pratique de Haute Etudes at the Sorbonne.

The lecture, co-sponsored by the Institute for the Arts and Humanistic Studies, is free to the public.

### "A Chorus Line"

"A Chorus Line," Broadway's singular sensation, will be performed at 8 p.m. Friday, Feb. 19, and Saturday, Feb. 20, in Eisenhower Auditorium at University Park.

Winner of nine Tony Awards, Broadway's longest-running production plumbs the audition experience of 17 spotlight-hungry dancers. Not only are they made to endure the rigors of the audition, they must also suffer the director's frank, relentless questioning. The answers at which they arrive reveal the love and passion that allows even ordinary people to achieve the sensational.

For ticket information, call the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

### Family folklore

"Family Folklore"—an exhibition of 20 panels of text and photographs depicting the memorabilia, stories, holidays, traditions and objects of folklore—is on display at the Formal Art Gallery in the Hetzel Union Art Building at University Park through Feb. 28.

The exhibition was organized by Amy Kotkin, founder of the Family Folklore Program, Smithsonian Institution. It is

touring nationally under the auspices of the Smithsonian Institution Traveling Exhibition Service (SITES).

Established in 1974, the Family Folklore Program conducted taped interviews over a period of four years with approximately 2,000 families. Hundreds of family diaries, letters, photographs, scrapbooks, home movies and quilts were gathered from participants. The panels in the exhibition are designed to give the appearance of a family photograph album.

The exhibit is sponsored by the Equal Opportunity Planning Committee and the Office of Union Programs and Operations.

The Formal Gallery is closed Sundays and Mondays. Gallery hours are Tuesday through Thursday, 12:30 to 8 p.m.; Friday and Saturday, noon to 4 p.m.

### HUB exhibit

The broken hills, woods and brush of Central Pennsylvania are depicted in oil landscape painting by William Purdy, currently exhibiting at the Hetzel Union Art Galleries at University Park.

"For the last 20 years I have painted scenes originating at home," says Mr. Purdy, who is a self-taught artist now teaching other aspiring painters in his home studio in Burnham. "I always loved marine areas, but never had the sense of satisfaction that I get painting the countryside."

At age 77, he recreates the simple pleasures of nature that inspires many local people to own his work. Born in Huntingdon County, Mr. Purdy grew up on "Whisper Mill" farm with a couple of horses and a few hens. As a youth, he worked on cardboard using housepaint for color.

He describes his work as an endless search to convey the things he holds dear in life through aestheticism.

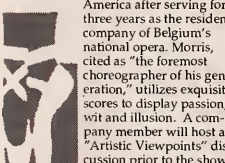
William Purdy's exhibit runs through March 14 in the Art Gallery at the HUB, open to the public Tuesday through Thursday, 12:30 to 8 p.m.; Friday and Saturday, noon to 4 p.m.

### ARTS AT . . .

### Great Valley

An exhibit by Amish artist Susie Riehl is on display until March 12 at Penn State Great Valley as part of the campus' Cultural Heritage Series.

Ms. Riehl, who has no formal artistic training, paints subjects that are familiar to her: quilts drying on a prairie, wide farm-house porches, and gardens sated with flowers and vegetables.



# A Chorus Line



A bit of family folklore.

# University Park Calendar

## Feb. 11 — Feb. 21

### SPECIAL EVENTS

#### Thursday, Feb. 11

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Chamber Choir. Educational Office Personnel, 12:10-12:50 p.m., 305 HUB. Heather Chakins on "Penn State Editorial Style: University Publications and the Style that Binds Them."

University Libraries' Electronic Resources in Engineering, 2 p.m., Training Lab, C402 Pattee Library. To register, call Sandy Stauffer at 865-0401.

Center for Adult Learner Services, 6-7 p.m., 424 Boucke Bldg. Marcia Pomeroy & Greichen Foust on "Transition from Penn State to a Career."

Health Services, 7 p.m., 305 HUB. Patricia B. Koch on "Our Bodies, Our Sexuality." Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. Taylor Greer/Artistic Viewpoints.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "Carmen" by Georges Bizet/ New York City Opera National Company. Tickets required.

Central Pa. State of AIA, 8 p.m., 101 Kern Bldg. Stella Miller-Colett on "Tombs and Treasures: New Discoveries from Macedonia."

Feminist Scholars, 8 p.m., Paul Robeson Cultural Center. Becky Birtha on "Black/Woman/Story."

#### Friday, Feb. 12

Geography Coffee Hour, 3:30 p.m., 319 Walker. Al LeFohn on "Ozone Exposure Indicators Approve in Protecting Vegetation."

#### Saturday, Feb. 13

The Eberly College of Science Open House for prospective students and their parents, 10 a.m.-4 p.m., HUB Ballroom.

Shaver's Creek, Maple Sugaring Volunteer Training, 12:30-4:30 p.m. Call 863-2000.

Enrichment Events, 1 p.m., Eisenhower Aud. Katie Glasner on "The Integration of Cultures in American Modern Dance."

School of Music, 7:30 p.m., Rotunda of Old Main. Chamber Singers perform "Celebration of Love." For tickets call, 863-2142.

#### Sunday, Feb. 14

School of Music, 4 p.m., Recital Hall. Kenneth Burk, a solo piano recital.

WPXS airs "The Future of the Pennsylvania State University: A Conversation with Members of the Future Committee," 7:30 p.m.

#### Monday, Feb. 15

Comparative Literature Luncheon, 12:15 p.m., 101 Kern Bldg. Tom Hale on "Timbuktu and Verbal Art in West Africa."

#### Tuesday, Feb. 16

Storytelling, 10-11 a.m., Penn State Bookstore. Mary Beth Bennett on her experiences in Africa.

College of Engineering's annual Open House. Office of Minority Faculty Development, 9 a.m.-noon, 114 Kern Graduate Bldg. "Vital Workshop" with James Stewart as speaker.

Shaver's Creek, 10 a.m.-3 p.m. Maple Sugaring Volunteer Tapping. Call 863-2000.

#### Wednesday, Feb. 17

CWS Brown Bag, noon-1 p.m., 120 Boucke Bldg. Call Bruce Sanford on "Appreciating Our Differences."

The Leonard Center, noon, 202 Rider II Bldg. Jack Matson and Dick Nelson, roundtable discussion on "How Professors Can Assist Each Other. Upcoming

Conferences, and Books on the Market."

Institutional Development Program, 3:30-5 p.m., 118 ASI Bldg. John A. Brighton on "On

Undergraduate Education: Can Harvard Ever Be Penn State?"

Health Services, 5 p.m., HUB Gallery. Glen Bowman and Cindy McNab on "Understanding Jealousy."

Third annual "Malcolm X" Symposium, 7:30 p.m., Paul Robeson Cultural Center.

Student Review, 8 p.m., The Playhouse. University Resident Theatre Company presents "Merrily We Roll Along." Tickets required.

#### Thursday, Feb. 18

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Clarinet Chamber Ensemble.

Engineering, 3:45 p.m., Kern Graduate Commons Auditorium. James E. Marley on "Engineering Excellence: The Key to Global Survival."

Architecture, 5 p.m., 108 Wartik Bldg. George Miller will present a lecture in series, "Partners in Architecture."

Faculty Staff Club, 5-7 p.m., Board Room, Nittany Lion Inn. "Mardi Gras Night," Call Sally Kaln, 865-0672, or Sandy Edwards, 865-6272.

Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. A member of the Mark Morris Dance Group will present a lecture.

Third annual "Malcolm X" Lecture, 7:30 p.m., Paul Robeson Cultural Center.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Mark Morris Dance Group, tickets required. Reception follows in The Tavern Restaurant.

Student Preview, 8 p.m., The Playhouse. University Resident Theatre Company presents "Merrily We Roll Along." Tickets required.

#### Friday, Feb. 19

School of Music, 2:30 p.m., Recital Hall. Graeme Boone on "Pop Academics."

Geography Department Coffee Hour, 3:30 p.m., 319 Walker Bldg. Monroe Newman on "The Irrelevance of Culture."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "A Chorus Line," tickets required. Also Feb. 20.

The Playhouse, 8 p.m., University Resident Theatre Company presents "Merrily We Roll Along." Reception follows in Nittany Lion Inn. Tickets required. Through Feb. 27.

#### Feb. 19-21

IFC Dance Marathon, White Building.

Saturday, Feb. 20

Sunday, Feb. 21

Shaver's Creek, 2-3 p.m. Snow Scapes. Call 863-2000.

School of Music, 4 p.m., Recital Hall. School of Music Faculty Showcase. For tickets



"Carmen" is here. Yuxin Li of the New York City Opera National Company will perform with the cast of "Carmen" at 8 tonight in Eisenhower Auditorium at University Park.

call, 814-865-0431.

### PUBLIC RADIO

#### WPSU-FM 91.1

Ooyssey Through Literature, 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays.

"Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

### CONFERENCES

Feb. 8-18 Program for Logistics Executives, Nittany Lion Inn. Contact: Jim Mencher, 865-7911.

Feb. 15-16 On-Site Sewage Treatment Conference, 350 attendees, Nittany Lion Inn. Chair, P. Robillard and G. Peterson.

Feb. 15-March 5 Engineer-Scientist as Manager, 30 attendees, Nittany Lion Inn.

Feb. 16-20 The American Society of Landscape Architects, 35 attendees, Nittany Lion Inn.

Feb. 18 PA Bar-Taxes Affecting Decedents' Estates, 5 attendees. Chair, S. Hendrick and J. Milson.

Feb. 21-23 Game Bird Conference, 75 attendees, Days Inn. Chair, H. Jordan and M. Johnston.

### SEMINARS

Thursday, Feb. 11 Ceramic Science, 11 a.m., 301 Steidle Bldg. Lawrence Drzal on "The Fiber-Matrix Interphase in Composite Materials: It's Effect on Adhesion and Composite Mechanical Properties."

Adult Education, noon, 206 Charlotte Bldg. Robert Newby Jr. on "The Continuing Education Administrative Process at Penn State University."

Plant Pathology, 1-2:15 p.m., 112 Buckhout Lab. Allen S. LeFohn on "Surface Ozone: How Much Is Too Much For Vegetation?"

Gerontology, 4-5 p.m., 106 Mitchell Bldg. Dennis Shea on "Managed Competition: How It Works?"

#### Tuesday, Feb. 16

Plant Pathology, 1-2:15 p.m., 112 Buckhout Lab. Bonnie Higgins on "Buked Segregant Analysis for Identification of RAPD Markers Linked to HT1 Gene for *Xeroderma* turcicum Resistance in Maize."

Biology, 4 p.m., 101 Althouse. Esther Siegfried on "The Role of Signal Transduction in Pattern Formation of the *Drosophila* Embryo."

Materials Science, 4 p.m., 26 Mineral Science. Harry Alcock on "Inorganic Elements in Polymers: Rational Design and Synthesis of New Materials."

Nutrition, 4 p.m., S-209 Henderson Bldg. Lesanne Bron on "The Regulation of Children's Food Intake."

Operations Research, 4:15 p.m., 210 Hammond Bldg. Patrick J. Harker on "America's Most Wanted: Technology That Works in Services."

Wednesday, Feb. 17 Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. Lewis S. Mancini on "Non-Invasive Brain Pace Maker or a Real-Life Thinking Cap."

#### Thursday, Feb. 18

Adult Education, noon, 206 Charlotte Bldg. Kyle Peck on "Educational Systems Design."

Gerontology Center, 4-5 p.m., 106 Mitchell Bldg. Fred Eisele on "Health Care Reform: Impacts on the Elderly."

#### Friday, Feb. 19

Geosciences Colloquium Series, 3:30 p.m., 341 Deike. Tony Prave on "Tide and Storm Dammed Sedimentation in Middle Devonian Mohantogone Formation of the Central Appalachian Basin."

### EXHIBITS

Chambers Gallery: Paintings and ceramics by undergraduate students, through Feb. 26.

Pattee Lobby West Lobby Gallery: Adriane Kelly's exhibit of pastels and silkscreens, through Feb. 14.

East Corridor Gallery: Edna Raphael's exhibit, "Mountains of New Mexico, 1961-1992, Autumn, Winter, Spring," through Feb. 15.

Rare Books Room: "City on the Edge of Time," The World's Columbian Exposition, Chicago, 1893, through March 19.

Lending Services Gallery: "Rapunzel," an exhibition of watercolor and ink illustrations by Pamela Sue Ansmann, through Feb. 15.

Zoller Gallery: "Photo National," national juried exhibition of contemporary photographs, through Feb. 28.

### TIPS

Information Penn State Call 863-1234, press 1 and enter the number of the message you wish to hear.

Messages are listed in the front of the telephone directories. Other messages are Weather—234, Arts Line—345, University Calendar—456.

Reflects on intercampus perspective

# Education and Computer Fair to offer innovative ideas and workshops

The inaugural "Conference on Innovation in Education and Computer Fair" will be held March 19 and 20 at University Park.

Sponsored by the College of Education and Continuing Education, the goals of the conference are to share interesting innovative educational programs and practices; to demonstrate new products useful in progressive educational environments; to discuss the formation of consortia and other alliances to promote educational innovation; and to review, preview, and call for changes in educational legislation.

The conference is being held in conjunction with the annual

Computer Fair, an opportunity for innovative educators to get state-of-the-art information on products and services that play important roles in today's classrooms.

Workshops to be offered include "Design Your Own Interactive Classroom Software-It's Easy," Ronald F. Pauline of Gannon University; "Desktop Publishing and Design for Educators: Using PageMaker for Macintosh," Reza Azarasa, California State University; "Using QuickTime to Incorporate Digital Video Into Your Classroom," Craig Cuyar, Altoona High School; "Kick Start Critical Thinking: Students Locate Minds and Make Them Work,"

Linda Shoop, Penn State New Kensington, and "Strategic Planning for a Discipline's Approach to Statewide Implementation of OBE," Doris Miller, Penn State.

Other selected presentations will include Interactive Multimedia in the Science Curriculum; Connecting Classrooms with Technology; Using Technology to Manage Outcome Based Education; Total Quality School Districts: A Systems Approach; and Peer Involvement: A Must for Peer Ownership, among others. Poster sessions and roundtable discussions also are planned.

The keynote presentation will feature "Technology that Enhances

Thinking," by John Bransford, Learning Technology Center, Vanderbilt University. The center has been working with schools to provide innovations in education for many years. Dr. Bransford and his colleagues have placed special emphasis on the importance of using technology to enhance thinking and learning in literature, science, mathematics, history, and other areas.

For more information, contact either Randal Carlson, College of Education, at 865-2220, or Karen Wilson, Keller Conference Center at 865-3749.

## Agenda set for Senate meeting

The University Faculty Senate will meet at 1:30 p.m. on Feb. 16, in Room 112 Kern Graduate Building.

Items to be discussed:

- Modification of Policy 82-20 General Requirements-Graduation Requirements
- The serials dilemma
- Special Committee to Review the University Faculty Senate final report
- Revised constitution, by-laws, and standing rules
- Resolution to support the University Libraries development plan

Members of the University community are invited to attend this and all meetings of the University Faculty Senate.



## Geriatric

Continued from Page 1

The center is based in the College of Health and Human Development. K. Warner Schaie, Evan Pugh professor of human development and psychology and director of the Gerontology Center, is a co-director of the center. Pat Hansen, a registered nurse and social worker, is coordinator.

Other University faculty involved in developing particular areas of the curricula are:

—Alan Adelman, associate professor of family and community medicine at The Milton S. HERSHEY Medical Center, geriatric assessment.

—K. Danner Clouser, professor of humanities at the Medical Center, ethics curriculum.

—Thomas Frank, professor of audiology, audiology and speech pathology.

—Laszlo Geder, assistant professor of medicine and director of the Adult Rehabilitation Unit at the Medical Center, curricular materials in rehabilitation medicine.

—Melvin Horwith, professor of medicine and director of the Metabolic Bone Clinic at the Medical Center, geriatric medicine training curriculum.

—David Hufford, associate professor of family and community medicine at the Medical Center, curriculum in minority health care.

—Steven Zarit, professor of human development and assistant director for research and training of the Gerontology Center, mental health curriculum.

## Penn Stater to be inducted into Hall of Fame

Mary Ellen Clark, Olympic bronze medalist, will be inducted into the Pennsylvania Swimming and Diving Hall of Fame at the McCoy Natatorium at University Park on Friday, March 12. She is the first Penn State swimmer or diver to receive this honor.

A native of Newtown Square, Ms. Clark began her swimming career at Radnor High School, where she set both the school and team records for the most diving points scored in a dual meet. She was a four-time All-State diver and PIAA State one-meter diving champion in 1979.

While attending Penn State, she attained All-American status in 1982 and 1984 on the three-meter

board. She graduated in 1985 and went on to earn her master's degree at Ohio State University, continuing to train and compete with an emphasis on the 10-meter platform.

Ms. Clark was United States National Team member seven times. She was the 10-meter national champion in 1987 and 1991. In 1992, she won the Olympic Bronze Medal in Barcelona, Spain; was voted Woman Diver of the Year, and received the Whosam Character Achievement Award.

A dinner will be held in her honor at the Nittany Lion Inn prior to the induction ceremony.

## New phone number keeps callers up-to-date on Penn State

Penn State fans eager for news on Nittany Lion sports, campus events and even the weather in Happy Valley are now only a phone call away.

A new, 900 Nittany Line information service is available to touch-tone phone callers 24 hours a day for only 95 cents a call. By dialing 900-443-4PSU, or 900-443-4778, callers can get up-to-the-minute results on sports, previews of athletic and arts events and information on Penn State Alumni Association programs and services.

Sponsored by the Alumni Association, the Nittany Line will bring the University

closer to its more than 300,000 alumni across the country.

Steve Jones, a state college radio announcer and play-by-play announcer for the Penn State Men's Basketball Radio Network, is the voice of the Nittany Line, and technical support is provided with AccuCall, a component of AccuWeather in State College.

For more information, contact Jerry Weltstone at the Penn State Alumni Association at 814-863-1862.



900 — 443 — 4PSU

The new 900 Nittany Line gives up-to-the minute information on sports, previews of athletic and arts events, and information on Alumni Association programs.

## FACULTY / STAFF ALERT

### Major medical claims

March 31 is the last date on which Prudential will accept charges for 1992 major medical claims submitted by University faculty and staff members for themselves or their dependents. A major medical claim is established when a faculty or staff member reports eligible charges to Prudential which exceed the deductible.

Charges that are acceptable for a major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance services, oxygen, physiotherapy, insulin, and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and lenses.

Itemized receipts should be obtained for eligible charges and submitted to Prudential with a claim form. This applies to charges incurred in 1992 only! In order to avoid delay of payment by the insurance company, all questions in the employee's section of the claim form should be completed fully. Canceled checks and cash register receipts are not acceptable evidence of charges incurred.

While 1992 claims may be submitted throughout 1993, the arrangement for Prudential to process health claims terminates June 30. Therefore, to ensure timely processing of such outstanding 1992 claims, you are urged to submit them as quickly as possible. Prudential will accept only dental and vision claims after June 30.



# Focus on Research

Intercom  
February 11, 1993

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## Vo-tech education can provide good salaries too

People who earn high school vo-tech diplomas often reach salaries comparable to those who hold a college degree, a University study suggests. Conducted by Kenneth Gray, associate professor of vocational education in the College of Education, and Neng-Tang Huang, now at the National Taiwan Normal University, the study reveals that college graduates reap only slightly higher



State College vo-tech class works to reclaim a stream bank in the summer of 1992. Photo: Steve Williams



Kenneth Gray and Nancy Palladino, a graduate student. Photo: Greg Grieco

earnings because of their education than high school graduates of vocational curriculums.

"Many people attend college because they believe that it is the automatic expressway to high-paying careers," said Dr. Gray. "But, unless a student graduates from a four-year college and is employed as a professional, manager or as a salesperson in manufacturing, communications or public administration sectors, a college education may be a waste of money."

The researchers suggest that since earnings among college graduates and high school vocational education graduates are similar, then choosing technical or vocational high school curriculums may be a more effective and less-costly route to a high-paying career.

"This is not to say that getting a high-paying job is the only reason to get a baccalaureate degree," Dr. Gray noted. "But the reality is that it is the most common reason students give for going to college. However, for many the payoff is not realized, and economically they would have been better off concentrating on vocational or technical education in high school, instead."

The study is considered the first to investigate the long-term job market effects of vocational education. The researchers examined the earnings of 3,309 high school graduates up to 14 years after graduation.

Using information from a national sample of 1972 high school graduates, they studied the effect of vocational education on 1986 earnings compared to graduates who completed college preparatory and general curriculums.

Results show that high school vocational education was the only secondary school curriculum found to have a significant effect on annual earnings.

"People generally conclude that college graduates earn higher salaries simply because they have college degrees. But some factors may be overlooked," he noted. "For example, the children of affluent business people usually go to college. And, in many cases they get well-paid jobs through their parents' connections, not simply because they have a college degree."

"With the skyrocketing costs of a college education, more people deserve to know that a degree does not offer guarantees. In addition, more people need to pay attention to preparing non-college bound students for well-paying careers," said Dr. Gray.

Overall, the study results come as good news to advocates of vocational and technical education. For years, school districts across the country have eliminated or considered elimination of such curriculums in order to conform to increasingly tight budgets.

— Aaron Singleton

### Better genetic testing

Researchers at the Hershey Medical Center have identified the specific genetic material missing from people afflicted by Prader-Willi syndrome, a rare, nightmarish disorder in which people can literally eat themselves to death.

Medical geneticist Maria J. Mascari, neurogeneticist Robert D. Nicholls, Peter K. Rogan, assistant professor of pediatrics, and Robert L. Ladda, professor of pediatrics and chief of the division of genetics, along with co-researchers from the University of Florida College of Medicine were able to identify the disease in nearly 90 percent of the suspected cases they examined. Their

work linked those cases to a missing segment of the 15th chromosome, which is contributed by the father.

Many children suspected of having Prader-Willi syndrome can now be identified with a blood test. Under the microscope, researchers can spot the missing portion of chromosome 15. "With early diagnosis, Prader-Willi children can be put on a diet as toddlers to control their obesity and

maintain better health as they grow older," said Dr. Nicholls.

### Computers help assess pollution

A new University study may provide information to help the 4.5 million Pennsylvanians who depend on groundwater for safe drinking water.

Gary Petersen, professor of soil genesis and morphology in the College of Agricultural Sciences, and James Hamlett, assistant professor of agricultural and biological engineering, head a team of scientists using computerized mapping systems to evaluate the pollution potential of the state's groundwater.

"Conflicts have emerged between land uses that degrade groundwater and communities that rely on underground water sources," Dr. Petersen said. "To resolve these conflicts fairly, we need more information about how different land uses affect groundwater."

"We need to examine the interaction between an area's geology, soil and vegetation types, depth to the water table and a wide range of other factors," said Dr. Hamlett.

By using a computerized mapping system, the researchers plan to rank Pennsylvania's more than 470 groundwater sub-basins for pollution potential.



## Highlight on Undergraduate Education

# Computer-assisted teaching taking University by storm

Educators' dreams are coming true thanks to innovative uses of computers in classroom education and the hard work and vision of a few University professors.

"I've always wanted to bring real-time satellite pictures into the classroom, and now I can," Alistair B. Fraser, professor of meteorology, said. "I can go over the University Backbone through Internet to a supercomputer located anywhere and grab a satellite picture. That image can be on the screen when the students enter the classroom."

Dr. Fraser can then compare the satellite picture to the current weather map and discuss the weather outside the building making the concept of weather patterns concrete.

"Teachers have the job of communicating ideas and slipping concepts into students' minds in ways that students can grasp," he added. "Teachers have always used available technology to this end and we should not now be constrained or limited to the blackboard technology of a century and a half ago."

Dr. Fraser is using Macintosh computers and Hypercard software to present text, photographs, video film, animations, interactive graphs and figures to teach meteorology in the classroom. As a teaching tool in his lectures, he finds this use of computers very different from the programmed instruction — with students sitting at individual computers — so common in today's thinking.

Across campus and even further away in discipline, Thomas G. Fox, professor of economics, is using IBM hardware and an 8-by-14-foot screen to teach introductory micro economics.

"The first thing teachers must do is get the students into the classroom," Dr. Fox said. "Then they have to get the students' attention focused on the subject."

"The computer graphics help to keep the attention of the class, and the students say it is easier to concentrate than in other large classrooms."

Eighty-four percent of his students feel the computer-enhanced lectures kept their attention focused on class material and reduced mental wandering as compared to other large lecture classes. Dr. Fox's classes in introductory economics classes range in enrollment from 300 to 350 students.



Alistair B. Fraser



Thomas G. Fox

Dr. Fox is using material scanned from newspapers and magazines, full motion videos, animation and interactive graphics on IBM compatible software — Toolbook by Asymetrix Corp. He also has prepared two videocassettes containing short vignettes demonstrating economic ideas.

According to Drs. Fraser and Fox, the attraction of computer-assisted lectures is the ability to more easily explain concepts, especially those that rely on visual thinking or changing information.

"In the past, when I talked about nomenclature clouds or the auroa, students would catalog the information and then, possibly, during another class, I could show slides of the clouds and the auroa," Dr. Fraser said. "I couldn't easily integrate textual, graphical and visual information into one lecture."

"Now, when I talk about cloud forms, the auroa or a thunderstorm, the picture is in front of the students on the screen. I can also call up the temperatures involved in storm formation in chart form or show the information graphically, side by side with time lapsed videotape of thunderstorm formation."

Illustrating supply and demand equilibrium concepts is difficult, according to Dr. Fox, but using animation, he can now easily show the balance.

"I ask what would happen if the super-cow, which produces

25 percent more milk than normal cows, obtained approval from the U.S. Food and Drug Administration," Dr. Fox said. "After encouraging student responses, I show them by moving the supply curve around in response to the changes until equilibrium occurs."

"If we, as teachers, can turn pictures painted with words into real images on the screen, then difficult concepts suddenly make more sense," Dr. Fraser noted. "It is much better than standing in front of the class, waving and flapping my hands to get an idea across."

Both Drs. Fraser and Fox admit that it takes a great deal of time to create the programs for computer-assisted lectures, but, although they never stop tinkering, once the programs exist, other professors also can use them.

While classroom technology is mandatory for this type of lecture, both professors agree that simply supplying computers and other equipment in the classroom will not work.

"The programming skills one learns as a scientist are not necessarily the ones needed for teaching applications," Dr. Fraser said. "Additional training is needed to get the job done."

Penn State's Center for Academic Computing has begun classes to aid in development of computer-assisted lecture materials.

According to Dr. Fraser, a third component is compatible computer hardware and software, available in the teacher's office.

Dr. Fox agrees that without a grant from the Center for Academic Computing's Computer Based Education and Learning Center, the loan of an IBM multimedia computer and other support course development would have been more difficult.

Zenith Data Systems presented Dr. Fox with a first place award in their national Masters of Innovation IV competition for software created for use in computers in teaching economics.

—Andrea Elyse Messer

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February 11, 1993  
Vol. 22, No. 20

## PENNSTATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

February 18, 1993

Volume 22, Number 21

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## President Thomas encouraged by budget message

Governor Robert P. Casey's proposed 1993-94 state budget calls for the University to get approximately \$500,000 less than the current appropriation of \$249.2 million — and offers a tuition incentive program potentially worth millions of additional dollars.

In his annual budget message Feb. 9, the governor proposed cutting \$483,000 for agricultural research and \$11,000 in debt service for the Pennsylvania College of Technology.

At the same time, Gov. Casey called for a \$31 million tuition challenge program that would pay universities about \$200 per in-state student, providing the institutions keep tuition increases to the projected annual inflation rate.

In response to the proposed budget, President Thomas issued the following statement:

We are encouraged by the Governor's budget message. We are relieved to know that additional budget cuts are not being proposed at this time. Although the dollars do not meet the University's needs, the Governor's proposal will provide some new funds for Penn State, and we are most grateful for that.

And, added to the recent release

**"We are relieved to know that additional budget cuts are not being proposed at this time."**

Dr. Thomas

of capital dollars from "Operation Jump Start," today's proposal should help to move Penn State forward.

We share the Governor's concern about the need to hold tuition increases to reasonable levels and are hopeful that the new procedures he is proposing will work effectively toward that end.

We look forward to working with the Governor and the General Assembly to put into place the most favorable appropriation possible for Penn State.

## Fund raising begins for HUB/Robeson Cultural Center at University Park

The University has begun to raise private funds for an expansion of the Hetzel Union Building (HUB), including the addition of a new Paul Robeson Cultural Center, President Thomas has announced.

The initiative follows the recent authorization of \$21 million in public funds for the project by the state legislature and Governor Robert P. Casey, although Penn State will not receive these funds until they are released by the governor.

"Student unions and multicultural facilities are prime sources of experiences that encourage personal development," Dr. Thomas said. "Our present physical plant is strained to capacity in this respect, and the expansion will enable us to strengthen our commitment to student services in many ways."

Dr. Thomas indicated that a fund-raising goal would be established later, although solicitation of alumni, corporations and foundations having a special interest in student affairs is under way. In April, the University received a \$500,000 commitment for the project from the Penn State Alumni Association. The University's new partnership with Pepsi also will provide \$500,000 for the HUB/Robeson Center.

According to Vice President for Student Affairs, William W. Asbury, as many as 18,000 students each day use the HUB, which contains lounges, meeting rooms, food service, study space, student offices and a gallery.

"HUB facilities are usually fully scheduled throughout the academic year but still can't meet the demands from many student organizations," Mr. Asbury said. "Last year, more

than 3,000 meetings of student groups had to be held in classrooms, because there was no room in the HUB."

The HUB was opened in 1955 and was named for President Ralph Hetzel, who headed Penn State from 1927 to 1947. It was last expanded in 1974. The planned expansion would boost square footage by nearly 50 percent — from 299,000 to 319,000 square feet. Plans call for a new 33,000 square-foot Robeson Center to adjoin the HUB and to provide more appropriate space for the many activities of the center.

The Robeson Cultural Center is available to all students, but traditionally emphasizes the needs of African/Black American students. The expansion will allow the center to broaden its multicultural focus. It is a site for art exhibits, distinguished speakers and meetings for students of diverse cultures.

"The University stages more than 300 multicultural events each year, and the activities at the Robeson Center play an important role in encouraging mutual respect for all cultures," Mr. Asbury said. "But, like the HUB, it's overwhelmed by increasing demands placed on it. Last year, it hosted more than 25,000 visitors."

The Robeson Center — named for an internationally acclaimed scholar, actor, singer and human rights activist — was originally a USO Club in Lebanon, Pa. It was moved to University Park after World War II and served initially as a temporary student union building.

"The HUB/Robeson initiative reflects a vision of a college union and multicultural facility truly representative of a great public university," James B. Stewart, vice provost for educational equity, said.

## Liberal Arts dean named 1993 campaign chair

Susan Welch, dean of the College of the Liberal Arts since July 1, 1991, has been appointed chairperson of the University Park 1993 United Way Campaign by President Thomas.

As chair of the University Park campaign, Dr. Welch will spearhead the volunteer efforts of administrators, faculty, staff and students in the annual drive to raise funds for United Way member agencies in Centre County.

Penn Staters have supported United Way agencies for more than 20 years and traditionally, as the county's largest employer, contribute more than one-fourth the total dollars raised. Last year's campaign raised a record \$290,000.

Dr. Welch, a political scientist, is an outstanding researcher, teacher and administrator. She is the author or co-author of ten books and monographs and has published extensively in scholarly journals on a variety of topics including women and minorities in politics and government.

Prior to coming to Penn State, Dr.



**Think spring ...** This *Cycas Revoluta*, which brings to mind warm, sea breezes, is part of a tropical plants collection found in the new greenhouse next to Buckhout Laboratory at University Park. For more information on these tropical beauties, see the story on Page 12.

Photo: Greg Grieco

See "Welch" on Page 3

## Group formed to review Future Committee plans

*Subcommittee will review plans for their impact and contributions to the University's diversity efforts*

Terrill Jones, deputy vice provost for educational equity, has been asked to chair a group to review the strategic plans submitted to the University Future Committee.

John A. Brighton, executive vice president and provost, who serves as chair of the Future Committee, has requested that the subcommittee review the plan updates relative to their impact and contributions to the University's diversity goals.

"It is critical during the Future Committee process that the vision of the University in the future is one that continues to build upon the foundation of diversity efforts that has been constructed at Penn State in recent years," Dr. Brighton said.

"The Future process is one that is aimed at reshaping the University into a stronger, more focused, and higher quality institution. Any University that

intends to play a key role in American higher education in the 21st century will by necessity have to be at the forefront of recognizing and supporting a diverse society."

A number of the strategic plans that have been submitted to the Future Committee target goals for improvement of the University's diversity efforts.

For example, the Office of International Programs has been encouraged by the Future Committee to develop further a proposal for the Education Abroad Program to support 20 percent of the University's undergraduate students studying abroad within the next five years.

The strategic plan presented by the College of Engineering discusses a commitment to develop cooperative programs with industry to identify, contact and recruit underrepresented groups to the College.

That college also indicates it will continue to emphasize and develop effective retention initiatives, such as cluster study groups and living programs that improve the learning environment.

In the strategic plan the College of Education brought before the Future Committee, it proposes using enhancement funds to develop a multicultural

education focus area. Recognizing the changing demographics of the state and nation, the College proposes coordinating this specialization through an interdisciplinary team.

Another example of support for diversity is the proposal from the College of Agricultural Sciences to enhance minority enrollments through the provision of additional undergraduate scholarships.

"Our group will review the 23 plans submitted to the Future Committee with a special consideration of how these proposed changes may have an impact on underrepresented groups at Penn State," Dr. Jones said. "President Thomas and Dr. Brighton recognize the need to keep moving forward on diversity issues as the University seeks to improve on every other level."

Members of the sub-committee who will review the strategic plans along with Dr. Jones include Stanley Nowak, Puring MacDonald, Steve Armentrout, Danielle Richards, Anne Ard, and Lydia Abdullah.

Odette Pineiro and Marc Levey will be the staff support persons assigned to this project.

## Graduate student conference on feminism

"Feminism: The Third Wave," a graduate student conference, will be held Friday, Feb. 26, through Sunday, Feb. 28, at University Park.

The conference is designed to provide an opportunity for participants to address issues of ethnicity, race, sexual diversity, gender, religion, age and class. Its goal is to further and deepen understanding of feminist roots, current realities and futures.

Most of the conference sessions will be held in Sparks and Willard buildings. The Women's Studies Lounge, 12 Sparks, will be open and staffed to provide information.

The conference is co-sponsored by the College of the Liberal Arts, Equal Opportunity Planning Committee, Center for Women Studies, College of Health and Human Development, Paul Robeson Cultural Center, Commission for Women, School of Visual Arts, and the departments of Comparative Literature, Engineering, English, French, German, Geography, History, Philosophy, Sociology, and Theatre Arts.

## BLACK HISTORY MONTH

### Allentown Campus

The Penn State Allentown Campus is celebrating Black History Month with a six-part film series depicting the stories, events, cultural times, and rich heritage of the African-American people.

Two films will be shown today. "International Sweethearts of Rhythm" uses archival performance footage and contemporary interviews to tell the story of the famous and talented multiracial women's jazz band of the 1940s. "The Call of the Jitterbug" recalls the emergence of swing music and the jitterbug at Harlem's Savoy Ballroom in the early 1930s. Both films are American Film Festival Blue Ribbon Award winners.

"The Color of Your Skin" will be shown Thursday, Feb. 18. The video is a powerful intimate journey into America's great racial divide focusing on a 16-week intensive race-relations course conducted by the U.S. military in which 12 individuals of different races confront each other with their feelings.

On Thursday, Feb. 25, "True Colors" and "General Colin Powell: What I've Learned" will be shown. "True Colors" follows two college-educated men in their mid-thirties, one black and one white, as they place themselves in a variety of situations from job and housing searches, retail shopping, car buying, vehicle breakdowns and neighborhood strolls to test levels of prejudice based on skin color. The last video presents General Colin Powell in his journey from a disadvantaged minority to a successful top-ranking Army official.

All films will begin at noon in the Academic Building. Brown bag lunches are welcome and admission is free. For more information, call the campus at (215) 285-5000.

### Altoona Campus

A traveling exhibit, "Out of Africa—Ancient Peoples and Cultures," is featured in the McLanahan Gallery at the Penn State Altoona Campus through Friday, Feb. 27.

The three-part traveling exhibit from the Smithsonian's Anacostia Museum includes a series of panels on African History, the Slave Trade, and the Abolitionist movement in America and England. The large, floor panels contain photographs of ancient

maps, slave trade routes, and cities like Timbuktu, cultural artifacts, masks, and sculptures; slave ships and auctions; and portraits of Abolitionists and Black Freedom Fighters.

### Beaver Campus

The Penn State Beaver Campus is hosting an ongoing series of programs and activities designed to highlight various dimensions of Black heritage and to inspire the expression and sharing of cultural experiences.

The Beaver Campus library is hosting an exhibit titled "James Baldwin...A Retrospective" during the month of February. The exhibit is traveling around the country and includes items reflecting the life and times of the author.

The English Department is sponsoring an essay contest. The words of Dr. Martin Luther King, Jr. provide the topic for the contest. Beaver Campus students are asked to address "Injustice Anywhere is a Threat to Justice Everywhere." The deadline is Sunday, March 21.

On Friday, Feb. 19, "Star Power," will be presented from 7 to 9 p.m. in the Student Union Building Lodge. This simulation game provides participants with an opportunity to generate a small social system and then, having generated it, to explore and discover how a social system shapes human behavior and human decision making.

"Sister to Sister" will be presented at 8 p.m. Monday, Feb. 22, in the Laboratory Classroom Building auditorium. This program features an eclectic, one-act play which encompasses the desires, creativity, strengths, and history of the African American woman.

"Baba Bafa," a social studies simulation game, will be presented from 7 to 9 p.m. Wednesday, March 3, in the Student Union Building Lodge. The game creates two different cultures and explores their growth and interaction both internally and externally. Participants are active members of one of the cultures.

For more information about any of the programs, call the Beaver Campus at 773-3804.

### Fayette Campus

During Black History Month, the Penn State Fayette Campus is featuring a unique library exhibition.

The display highlights famous African-Americans from all fields of endeavor—history, government, theatre, literature, sports, etc. Also featured are materials from the Penn State Collection, including books, periodicals and videos.

### WPSX-TV

WPSX-TV continues "Celebrating the African-American Contribution" in February during Black History Month with a wide range of special public television programming. At 10 tonight, channel 3 will broadcast "Pioneer of Color: A Conversation with Mal Goode." Mal Goode, the grandson of slaves, describes with a startling poignancy the adversity he lived through to become the first African-American network television news correspondent. Doris McMillon hosts.

On Friday, Feb. 19, Great Performances presents "Miles Davis: A Tribute." A celebration of the music and mystique of jazz trumpeter, bandleader and innovator in contemporary performance Miles Davis, it includes archival footage and on-camera interviews.

At 10 p.m. Sunday, Feb. 21, "Mothers/Songs Are Free with Bernice Johnson Reagon" features Bill Moyers discussing the power of song with Bernice Johnson Reagon, the founder and lead singer of the female a cappella group, Sweet Honey in the Rock.



Mal Goode, the nation's first black network newscaster, is profiled in "Pioneer of Color: A Conversation with Mal Goode," airing at 10 tonight.

DIVERSITY

# Commission for Women asks for study of tenure-track faculty

The Commission for Women has asked the Center for the Study of Higher Education to design and implement a study of tenure-track faculty at Penn State.

The study, supported by the Office of the Vice Provost for Educational Equity, the Office of Human Resources, the Affirmative Action Office, and the Graduate School, will explore perceived support problems, and challenges faced by tenure-track faculty. The information gathered will lead to recommendations of strategies and practices to assist junior faculty.

Surveys were sent in mid-November to 539 tenure-track faculty hired between July 1, 1988, and July 1, 1991. The study which will be completed in August 1993, includes University Park and the Commonwealth Campuses. The project will result in several reports that will recommend ways to assist new faculty in general and more specifically will recommend strategies and policies to enhance Penn State's ability to retain women and faculty of color.

The study is being directed by Estela Bensimon

and William Tierney, both associate professors and senior research associates in the Center for the Study of

**Surveys were sent in mid-November to 539 tenure-track faculty hired between July 1, 1988, and July 1, 1991. The study will be completed in August.**

Higher Education. Kelly Ward, a graduate student in the Higher Education Program, is coordinating the study.

Members of the study's Advisory Board are: Anne

Arnd, senior diversity planning analyst, Office of the Vice Provost for Educational Equity; Deborah Atwater, associate professor of speech communication and senior faculty mentor, The Center for Minority Graduate Opportunities and Faculty Development; Mary Dupuis, acting director of academic affairs, Penn State Dubois; James Fairweather, associate professor and senior research associate, The Center for the Study of Higher Education;

Lynne Goodstein, associate professor of administration of justice and director, Women's Studies Program; Grace Hampton, vice provost; Deborah Klevans, research and planning associate, Office of Program Planning, Continuing Education; Bonnie Ortiz, director, Affirmative Action Office; Susan Shuman, research project manager, Office of Marketing Research, Continuing Education; Sally Small, assistant director, Office of Human Resources/Commonwealth Educational System; Billie Willits, assistant vice president for human resources.

## DIVERSITY OPPORTUNITIES CALENDAR

### Thursday, Feb. 18

Center for Ethnic and Religious Affairs, 7:30 p.m., Paul Robeson Cultural Center, "The Third Annual Malcolm X Lecture," by Maulana Karenga, California State University at Long Beach director of Black Studies and founder of African/Black American holiday Kwanzaa.

### Friday, Feb. 19

WPX-TV Channel 3, 9 p.m., Program titled, "Tribute to Miles Davis."

### Saturday, Feb. 20

Office for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building, "Vital Workshop" is the third in a series of workshops. Dr. James B. Stewart, vice provost for educational equity, will be the speaker. To make reservations, contact Leah Witzig at 863-1663. All junior faculty are welcome to participate.

African Students Association, 6 p.m., HUB Ballroom. Dinner and entertainment event titled, "A Touch of Africa."

### Monday, Feb. 22

Alpha Phi Alpha, 7:30 p.m., Paul Robeson Cultural Center. Ebony and Ivory Week presentation titled, "Religious History of the Black Church."

Colloquy, 8 p.m., Eisenhower Auditorium. Lecture series presentation by film maker Spike Lee.

### Tuesday, Feb. 23

Black Caucus, 7:30 p.m., Paul Robeson Cultural Center. Black History Month presentation by motivational speaker Brenda divopp

### Wednesday, Feb. 24

Center for Women Students, noon to 1 p.m., 120 Bouckie Building. Brown bag lunch presentation titled, "Freedom Through Education," by Wanda Davis, Office of Conduct Standards assistant director.

Alpha Phi Alpha, 7:30 p.m., Paul Robeson Cultural Center. Ebony and Ivory Week presentation titled, "Drugs and Alcohol in the Black Community."

Womyn's Concerns, 8 p.m., Schwab Auditorium. Black

History Month presentation by access Cecily Tyson.

### Saturday, Feb. 27

Office for Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building, "Promotion and Tenure Roundtable" is the fourth in a series of workshops. Dr. Blannie Bowen, professor of agricultural and extension education, will be the speaker. Attendance is limited to those who have participated in a previous promotion and tenure workshop. To make reservations, contact Leah Witzig at 863-1663.

### Until Feb. 28

Hezel Union Building, daily, HUB Browning Gallery, Display featuring live multicultural murals representing cultural diversity at Penn State.

### Through March 21

Paul Robeson Cultural Center, daily, Paul Robeson Cultural Center. Traveling Smithsonian photo exhibition titled "Songs of My People," is a visual exploration of Black life in America.

## DIVERSITY BRIEFS

### Commission for Women seeking nominations

The Penn State Commission for Women is seeking nominations for membership.

"An advisory group to the president on matters affecting women of the university, the commission also has the purpose of promoting the efforts of women at Penn State and to serve as a forum for the exchange of ideas.

The entire women's community at Penn State is represented by the Commission for Women. Its membership includes staff, faculty, administrators, technical-service employees, and undergraduate and graduate students. At least two members must be from Penn State locations other than University Park. Members are appointed to three-year terms.

Nominations, including self-nominations from any women at Penn State and particularly those from underrepresented cultural, racial or ethnic backgrounds, are encouraged. The commission values diversity in its membership and is actively seeking a broad base of nominations.

Submit nominations to: The Commission for Women, 314 Grange Building. Nomination deadline is March 15. For more information, call 865-1663.

### Professional Women's group to host meeting

Professional Women at Penn State will host an open agenda meeting on "Mentoring: The Window to Professional Success" at 11:45 a.m. Tuesday, Feb. 23, in the Frizzell Room of Eisenhower Chapel at University Park.

Small group discussions, beginning at 12:10 p.m., will focus on the possibility of establishing a formal or informal mentoring program at Penn State. The groups will reconvene at 12:45 p.m. to present their findings as a whole.

If enough interest is expressed, a follow-up meeting will be planned.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn Staters. The group welcomes attendance by both male and female persons in all job and student classifications at the University.

## Welch

Continued from Page 1

Welch was a faculty member at the University of Nebraska, serving as chair of the Department of Political Science there from 1977 to 1985. Her degrees are an A.B. in history, and both an M.A. and Ph.D. in political science, all from the University of Illinois at Champaign-Urbana.



Susan Welch

## OBITUARIES

Carrie V. Brungart, residence hall worker, Housing and Food Services; from July 7, 1960, until her retirement Dec. 31, 1976; died Jan. 18 at the age of 78.

Charles L. Bush, residence hall preventive maintenance worker, Housing and Food Services; from Sept. 16, 1961, until his retirement May 1, 1983; died Feb. 16.

Lillian B. Clifford, assistant in administration—student affairs, Penn State Altoona Campus; from Sept. 1, 1964, until her retirement Sept. 1, 1976; died Jan. 18 at the age 81.

Harry C. Vonada Sr., houseman, Housing and Food Services; from Nov. 1, 1951, until his retirement Jan. 1, 1968; died Jan. 25.

# America's university: A model for the future



The Land Grant Frescoes of Old Main

Remarks by President Job Thomas  
To the Penn State Board of Trustees at its Jan. 22 meeting.

**A**t the last Board meeting I outlined some of the constraints, challenges, and opportunities that exist in our present environment. I also assured you at that time that Penn State is on the right track. Will Rogers pointed out that even if you are on the right track, if you are sitting still, you will be hit from behind by the next train. Let me assure you further that we are moving boldly forward on our track.

## The Land-Grant Imperative

That track is the central mission of this University, and today I would like to elaborate further on that mission. In an effort to provide a proper historical perspective, I looked up and read the Morrill Act of 1862 that created the land-grant universities. Incidentally, the first time Justin Morrill introduced this legislation it passed both houses but was vetoed by President James Buchanan. Fortunately, Morrill was persistent. He reintroduced the legislation in 1862, it again passed, and was signed by President Lincoln on July 2, 1862. Persistence also has been a consistent characteristic of the land-grant universities.

The Morrill Act specifies, and I quote, "... that there be granted to the several States ... an amount of public land, to be appropriated to each State a quantity equal to thirty thousand acres for each senator and representative in Congress to which the States are respectively entitled by the apportionment under the census of eighteen hundred and sixty; Provided, That no mineral lands shall be selected or purchased under the provisions of this act."

The act further specifies that the money derived from the sale of the land, and again I quote, "... shall be invested in stocks of the United States, or of the States, or some other safe stocks, yielding not less than five per centum ... the interest of which be inviolably appropriated ... to the endowment, support, and maintenance of at least one college where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the Legislature of the States may respectively prescribe. In order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life."

Unfortunately, the federal land grant, along with land being sold by the railroads at that time and the availability of free land through the Homestead Act, created a land glut on the market. Consequently, the total revenue from the sale of 780,000 acres of land granted to Penn State University produced only \$439,000, and \$43,000 of this had already been committed to the purchase of experimental farm land. The total land-grant endowment invested in government securities would yield only about \$25,000 per year.

The point I wish to make is that the real significance of the Morrill Act of 1862 was not the granting of land, but rather the imperative that those institutions participating in the land-grant opportunities were committed to a different mission—to programs in agriculture, engineering and military science along with the liberal arts and sciences. There was a further commitment that these new institutions were to "... promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." In this sense, the original legislation included strong overtones of President Lincoln's philosophy, and set the stage not only for a government of the people, by the people, and for the people, but a university that was also of, by, and for the people.

Later legislation, including the Hatch Act in 1887, the 1890 Land-Grant Act, and the Smith Lever Act in 1914, broadened the participation, strengthened the land-grant philosophy, and gave real substance to the research and service missions of these emerging new institutions.

Penn State University did not immediately respond to the imperatives of the Morrill Act and, in fact, went through seven presidents and three acting presidents before President Atherton finally guided the institution onto the required course. The essence of the course and direction he established was to follow seriously and vigorously the imperatives of the Morrill Act and the emerging land-grant philosophy.

## We Are Still on That Course

The second point I want to make is to assure you that we are still on that course. In my first address to the University community I stated that "We are fortunate to do our work in the setting of a contemporary land-grant university. It is a setting much preferable to the classical mission of the frequently elite private universities of this country." In the land-grant tradition, our central thrust is still teaching, research, and service. Through this three-fold mission we have a commitment, perhaps stronger now than ever, to serve the people of this Commonwealth, this nation, and, increasingly, this earth.

Appropriately, while our course remains steady, our scope has obviously broadened. Our focus is not just on the industrial classes, but on all classes. Agriculture has broadened to include a full array of life sciences, including biotechnology and other disciplines that did not exist even when I received my Ph.D. in the life sciences in 1959. Likewise, the mechanic arts have grown to include a broad spectrum of engineering sciences including computer engineering, which also did not exist when I received my Ph.D. degree. This increase in complexity and scope represents what I would classify as Phase II of the evolution of land-grant universities.

The building program which I discussed earlier in these meetings was made necessary in part by the growth and expansion of this phase in our development. This program includes extensive building and renovation plans funded at almost 300 million dollars. It is important to note that this building program not only provides additional space, it provides new and different kinds of space as well, such as special laboratories, clean rooms, teleconferencing facilities, and classrooms designed and equipped for computer technology.

Although the teaching, research, and service components are increasingly complementary and mutually supportive, the priorities remain the same. Teaching remains our highest priority. We continue to work diligently to improve the quality and the outcome of the processes of teaching and learning. These processes will undoubtedly be more dynamic in the future with both change and improvement accelerating.

At Penn State we have a number of initiatives under way that will speed and direct that change and improvement, including continuous quality improvement programs in several colleges, a Commission on Undergraduate Education (to prioritize and move forward the recommendations of the Task Force on Undergraduate Education), and a new Task Force on Graduate Education. Several new center programs have been developed that are directed at the enhancement of teaching and learning, with renewed emphasis on leadership development. We also continue to give special attention to the many opportunities for the improvement of teaching and learning that are enhanced in the vigorous research environment that we have at Penn State. We must profit fully from the complementarity and mutual interdependence of teaching and research.

This brings me to the second thrust of our threefold mission, research. In recent months there have been critics of university research whose major complaint is that the research effort has detracted from undergraduate teaching. I don't deny that one can find examples of both shortcomings and excesses in any human endeavor, but I am convinced that research is a necessary component of teaching and learning and will become even more critical in the future as the process of learning draws ever closer to research methodologies.

In addition to its role in teaching and learning, university research is now playing an increasingly dominant role in generating knowledge and technology for our businesses and industries. As severe cutbacks are occurring in the support of major research laboratories by both industry and the federal government, universities are being asked to assume greater responsibilities in these areas, including new challenges in defense conversion and economic development.

Penn State is clearly on the cutting edge of progress in this area. Our Applied Research Laboratory, as just one example, is actively involved in providing new direction in defense-related research, in defense conversion, and in economic development activities based on new technologies.

The Penn State Research Park that is now under construction is another example of our vision for the future. This park

"In the land-grant tradition, our central thrust is still teaching, research, and service. Through this three-fold mission we have a commitment, perhaps stronger now than ever, to serve the people of this Commonwealth, this nation, and, increasingly, this earth."

## President

### Continued from Page 4

will be a strong magnet for progress in this state. There were many around who told Orville and Wilbur Wright that they would never get their plane off the ground. Believe me, this Research Park is going to fly, and become a center for teaching, research, and service for this Commonwealth.

The service mission of Penn State also continues to grow in quality and significance. Here too, I want to emphasize the complementarity and mutual interdependence between service and research and teaching. The new Research Park, again, serves to illustrate this point. In addition to being a center for research, the park will provide a new dimension of service to this state in knowledge and technology generation and transfer, and in collaborative efforts with industry, federal organizations, and, likely, international organizations.

Significantly, one of the three facilities in Phase I of the park is a continuing education and conference center, basically a teaching facility. The teaching that occurs in the park often will be dependent on the research activities in the park, and the collaboration and data exchange that occur during conferences also will be a great service to this state. Graduate teaching, in particular, but undergraduate teaching as well, will be enhanced greatly by activities in this research park. Following our land-grant traditions, Penn State has continued to develop new service programs in concert with expanding teaching and research programs.

### A Forward-Looking Vision

The final point I wish to make is to assure the members of this Board that Penn State University has not become so preoccupied with the present financial exigencies that either the direction or the vision of the institution has become lost or distorted. On the contrary, the Future Committee process is enabling us—and in some ways forcing us—to consider more carefully the central mission and vision of the future of this University. We will emerge from this process better focused, with a clearer understanding of our fundamental mission, and with a forward looking vision for achieving true academic excellence.

The land-grant universities grew from a bold move designed to fulfill an even bolder dream. They succeeded not because of the bold move—the granting of land, but because of the dream. Likewise, Martin Luther King, Jr.'s greatest contribution was his bold dream that galvanized support for his cause.

In addition to the clear mission and vision we have for Penn State, we too, need a bold dream. I believe we have that dream. It is a complex dream that is emerging from this complex University.

As we work our way through the present financial exigencies, as we sharpen our focus on our threefold mission, as we put in place the necessary physical facil-

ities, as we communicate more effectively to the broader community the tremendous contributions of this University, I believe Penn State will be poised to lead the way into what I would call Phase III of the evolution of land-grant universities. Phase III will be characterized by a merging of the concepts of change and continuity. Continuous quality improvement implies both continuous change and continuity through change. The three functions of our mission must not only be interdependent, but also should form a continuum. The burgeoning information age requires continuous education in a much broader sense than we have yet realized. We must now think and plan in terms of a continuum that enlarges the concept of continuous education to include the complementary functions, research and service.

Phase I in the history of universities could be characterized symbolically by institutions enclosed by tall and strong walls, designed to keep undesirable elements out, and the students in.

Phase II was ushered in by opening many more gates through the walls, but always retaining the capacity to close the gates.

Phase III will be characterized symbolically by universities surrounded by only a membrane. The symbolic membrane is essential for the university to remain alive and dynamic—just as a living membrane is a common characteristic of the building blocks of all forms of life. The membrane surrounding the university must be very permeable, however, and there must be a great deal of movement in and out across that membrane. Students will continue to cross the membrane throughout their lives, not just during the four or five years of their undergraduate experience. Electronic pathways across that membrane will become numerous, and many people whom we might not classify as students at present will become significant users of this center of learning and this dynamic data base.

In Phase III we will move toward full realization and utilization of the complementarities of teaching, research, and service; we will benefit more fully from the broad efforts of continuous quality improvement; our teaching and learning processes will become increasingly active rather than passive; and we will realize more fully the advantages of complexity and diversity—complexity and diversity of information, of ideas, of data sources, and of people. In Phase III these special land-grant universities will become holistic in a new sense and should emerge as the best in the world in the unified concept of teaching, research, and service.

I have taken special pleasure in driving across the state line into Pennsylvania and seeing the sign, "America Begins in Pennsylvania. It is my belief that Penn State University is building a new model of America's University. With persistence, hard work, and continued support and dedication of this Board, Penn State can lead in the development of these new world class land-grant universities.

careers for women during the luncheon as well as answer questions.

The luncheon, open to all prospective women students, is sponsored by the Society of Women Engineers and the Women in Engineering Program. Reservations are required.

An information desk and displays in the Hammond Building Kinley Lounge (the glassed-in area on College Avenue directly across from the Corner Room) will provide information on all aspects of the College of Engineering and the University, including financial aid, admissions and special programs.

For more information about the Engineering Open House, contact Jo Belight, 863-3064. For the Women in Engineering Luncheon, contact Wendy Baker, 863-7138.

## Scholars Forum set for Feb. 25 at University Park

Wayne D. Smutz, director of the Continuing Education Office of Program Planning, and his staff will make a presentation on "Self-Assessment: Preparing Professionals for Self-Directed Learning" at the third Continuing Education Scholars Forum at 3:30 p.m. Thursday, Feb. 25, in 502 Keller Building at University Park.

The forum, sponsored by Penn State Continuing Education, is open to the public. It is designed to encourage University faculty and staff members involved in research and development in the continuing education field to share their perspectives with colleagues.

The program planning team members will discuss the concept of self-assessment and focus on practical illustrations of how self-assessment works. The Self-Assessment Series for Dietetics Professionals is a collaborative effort between Program Planning, the Center for Applied Behavioral Science, WFSX-TV and the College of Education.

Forum presenters are:

- Dr. Smutz, who will provide an overview of the group's development of a self-assessment process for dietetics professionals.

- Deborah R. Klevans, research and planning associate, who will present information on the assessment results and action plan, which is sent to all dietitians who complete a module.

- Leonard E. Pollack, instructional designer, who will provide insights into the experience of completing a self-assessment module.

- Carolyn Ng-Bershad, research project associate, who will discuss the educational marketing and administrative systems that have been created for the self-assessment modules.

For more information about Continuing Education Scholars Programs and/or to participate in future forums, which are held once a semester, contact Donna S. Queehey, director of research and external relations for Continuing Education, at (814) 865-7752.

## IDP spring semester series continues through March

The Instructional Development Program is continuing its spring semester seminar series on teaching with presentations on March 4 and March 18 from 3:30 to 5 p.m. in 118 Agricultural Sciences and Industries Building at University Park.

On Thursday, March 4, Robert G. Melton, associate professor of aerospace engineering and recipient of the College of Engineering Premier Teaching Award, will discuss "Socializing Students to Work in Groups Using Peer Evaluation." He will explain techniques for getting students to work together and to critique one another constructively.

Nancy S. Love, associate professor of political science, affiliate professor of women's studies and a Lindback Teaching Award recipient, will speak about "Dealing with Diversity and Differences in the Classroom" on Thursday, March 18. She will examine the challenges diversity presents in classrooms and propose practical ideas for appropriate teacher response.

Pre-registration for the programs is recommended, but not required. To register or for more information, call 863-2599. The Instructional Development Program is part of the Office of the Vice Provost and Dean for Undergraduate Education.

### CARPOOLER

Wanted: A non-smoker to take turns driving from Phillipsburg to University Park. Working hours 8 a.m. to 4:30 p.m., Monday through Friday. Call Anna at 865-0469.

## College of Engineering open house on Feb. 20

Robots, manufacturing and laboratory demonstrations, quiet and clean rooms, and Creamery ice cream are features of the annual College of Engineering Open House, 9:30 a.m. to 3:30 p.m. Saturday, Feb. 20, at University Park. The event is free to the public.

The Engineering Open House, designed to introduce interested high school students and their parents to engineering and engineering facilities and programs, is the culminating event for National Engineer's Week (Feb. 14-20) at Penn State.

Tours of the College of Engineering, bus and walking tours of the University Park Campus, laboratory demonstrations, and information sessions will cover all 11 engineering majors as well as the nine engineering technology majors offered at the Commonwealth Campuses. The day also includes a luncheon for high school girls who are interested in engineering, from noon to 1 p.m. A panel of successful female engineers and engineering students will discuss engineering

### Chamber ensemble

The Penn State Clarinet Chamber Ensemble will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

### Odyssey on WPSU

A Bengali folk tale, in which a greedy Brahmin abandons his two daughters in the forest for the crime of eating two of his pancakes, is the topic of the next Odyssey Through Literature broadcast.

Suchismita Sen, a recent Ph.D. graduate of the Comparative Literature Department, calls "The Tale of Iktu" a mechanism through which women instruct other women in "the rules by which the social powerplay develops."

Although the tale seems to extol the cleverness of women, it ends with no change in the status quo: When the daughters marry royally, their father is elevated to as high a position as they are.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesday at 12:30 p.m. on WPSU, 91.1 FM.

### Featured author

The Penn State Bookstore on Campus will host James Porterfield to sign and discuss his new book *Dining by Rail: The History and Recipes of America's Golden Age of Railroad Cuisine* (St. Martin's Press, 1993), from 12:30 to 2 p.m. Friday, Feb. 19. Samples of selected recipes from his book enhance the presentation and are being provided by the HUB Eateries for visitors to this event.

James Porterfield, instructor in marketing and editor for the Department of Independent Learning, is a devotee of railroad history and is known by some as a gourmet cook. He sorted through over 7,500 authentic railroad recipes

while preparing this book and traveled uncounted miles by rail across the country collecting data on the history of railroad cuisine.

*Dining by Rail* serves up a sumptuous slice of genuine Americana by recapturing the history and spirit of the railroad dining car experience during its glamorous heyday. It is an informed social history of food, Americans, and travel by rail, as well as an entertaining and practical cookbook.

The public is invited to attend the book signing and enjoy the refreshments provided.

### Showcase concert

Faculty from the School of Music will be featured in the spring "Faculty Showcase Concert," second in the two-part concert series.

The faculty artists will perform selections representing a variety of genres and styles at 4 p.m. Sunday, Feb. 21, in the School of Music Recital Hall at University Park.

Proceeds from the event will benefit the School of Music Endowment Fund for scholarships and other needs.

The performance will feature flutist Eleanor Duncan Armstrong, assistant professor of music; percussionist Dan C. Armstrong, associate professor of music; hornist Lisa O. Bontrager, assistant professor of music; pianist Marylene Dosse, professor of music; violinist James Lyon, assistant professor of music; pianist Timothy Shafer, assistant professor of music; and clarinetist Smith Toulson, professor of music.

The first segment of the program will spotlight the Armstrong, Flute and Percussion Duo in a performance of "Songbirdsongs," an evocative composition by John Adams as employing piccolo, xylophone, timpani, cymbals, chimes, temple blocks, crotales and maracas.

The trio of violinist Lyon, clarinetist Toulson, and pianist Shafer will follow with a performance of Bela Bartok's "Contrasts."

After intermission, the trio of pianist Dosse, violinist Lyon, and hornist Bontrager will conclude the concert with a performance of "Horn Trio" by Johannes Brahms.

Tickets are \$6 for adults, \$3 for students. Tickets will be available from the School of Music and at the Recital Hall doors. For ticket information, please call the School of Music, Monday through Friday, 9 a.m. to 4 p.m. at (814) 865-0431.

### Solo recital

Soprano Bambi Alridge will present a solo recital at 8 p.m. Sunday, Feb. 21, in Eisenhower Chapel at University Park.

The program will include repertoire by H. T. Burleigh, Hall Johnson and Margaret Bonds.

Ms. Alridge, a graduate student in the School of Music, will be accompa-

nied by pianist Anthony Leach.

The recital is free to the public.

### Architects to lecture

James H. Timberlake, architect with Kieran, Timberlake and Harris, Philadelphia, will present a lecture at 5 p.m. Tuesday, Feb. 23, in Room 108 Wartik Building at University Park. The lecture is part of the lecture series, "Partners in Architecture," sponsored by the Department of Architecture.

As part of the series, Charles Dagit Jr., architect with Dagit/Saylor Architects, Philadelphia, Pa., will present a lecture at 5 p.m. Thursday, Feb. 25, in Room 108 Wartik. The lectures are free to the public.

### Art history lecture

George Mauner, distinguished professor of art history and director of the Institute for the Arts and Humanistic Studies, will present a lecture, Velazquez' "Surrender of Breda," at 8 p.m. Tuesday, Feb. 23, in Room 112 Walker Building at University Park. The lecture is part of the series "Scholarly Speculations: Recent Research by the Faculty of the Department of Art History," sponsored by the Department of Art History.

A proclamation of the deep roots of the Spanish throne, Velazquez conceived of "The Surrender of Breda" as a layering of older, referential images. One of these expresses a powerful message not discussed in the Velazquez literature. Dr. Mauner's presentation will examine this overlooked image as well as its significance and implications.

Dr. Mauner received his Ph.D. from Columbia University in 1967 and has taught at Penn State since 1962.

A reception will follow the lecture which is free to the public.

### Winter concert

The Penn State Percussion and Mallet Ensembles, under the direction of Dan C.

Armstrong, associate professor of music, will present their annual winter concert at 8 p.m. Wednesday, Feb. 24, in the School of Music Recital Hall at University Park. The ensembles will be joined by featured guest performer Sergeant Gregory Adams, percussionist with the United States Air Force Band in Washington, D.C.

Sgt. Adams will perform a Swiss composition with the Penn State Concert Band that features a special style of snare drumming known as "bassel drumming," a Swiss technique for martial drumming performed on a field drum. The Concert Band is under the direction of Richard Bundy, associate professor of music education.

Markovitch's "Teamwork" will feature Adams and the Percussion Ensemble.

The program also will include two different arrangements of John Phillip Sousa's "Stars and Stripes Forever." "The Wait," by David Long, will be

conducted by Keith Tennent, graduate teaching assistant in percussion. Works by Overmire, Long, Carmo and Debussy complete the program.

The concert is free to the public.

### Paramount Brass

The Paramount Brass, a quintet from Boston, Mass., will present a lecture and recital at 2:30 p.m. Friday, Feb. 26, in the School of Music Recital Hall at University Park.

The ensemble also will present a guest recital at 2 p.m. Saturday, Feb. 27, in the School of Music Recital Hall which will be followed by lessons and masterclasses.

The Paramount Brass quintet consists of graduates of Boston University who teach at the Tanglewood Music Festival.

The lectures and recitals are free and open to the public and are funded by Phi Mu Alpha Sinfonia and the School of Music.

### Beaux Arts Trio

The internationally acclaimed Beaux Arts Trio will perform at 8 p.m. Saturday, Feb. 27, in Schwab Auditorium at University Park.

New violinist Ida Kavafian joins cellist Peter Wilely and pianist Menahem Pressler in an evening of traditional chamber music paying tribute to European musical achievement.

James Lyon, assistant professor of music, will host an "Artistic Viewpoints" discussion in Schwab Auditorium at 7 p.m. Saturday, Feb. 27. For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. and 4:30 p.m., Monday through Saturday, at (814) 863-0225.

### Vienna Orchestra

The Penn State Vienna Orchestra will present its 5th annual Viennese Ball from 8 to 11 p.m. Saturday, Feb. 27, in the HUB Ballroom at University Park.

The program, featuring popular music for listening and ballroom dancing, will include waltzes, polkas, rumbas and tangos by such composers as Johann Strauss, Franz Lehár and Leroy Anderson.

Though the event is semi-formal, the audience is invited to wear tax and gown.

The annual gala is a fund-raising event for the Vienna Orchestra's European tours. Tickets for the Viennese Ball are \$5 for adults; \$4 for students. They are available at the School of Music Office, Monday through Friday, 9 a.m. to 4 p.m. For further information, please call (814) 863-0696.

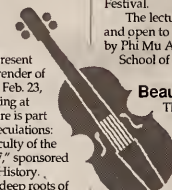
### "The Mighty Casey"

The Pittsburgh Ballet Theatre will perform "The Mighty Casey" at 8 p.m. Friday, Feb. 26, in Eisenhower Auditorium at University Park.

Based on the poems "Casey at the Bat" by Ernest Haynes, "Tray" and "Casey—Twenty Years Later" by S.P. McDonald, the ballet captures the sights and sounds of a turn-of-the-century ballpark. The aroma of popcorn and



James Porterfield





# University Park Calendar



"Mighty Casey" — The Pittsburgh Ballet Theatre will perform "Mighty Casey" at 8 p.m. Feb. 26 in Eisenhower Auditorium at University Park.

## Feb. 18 — Feb. 28

### SPECIAL EVENTS

**Thursday, Feb. 18**  
**■ Noon concert,** Kem Lobby. Stanley Shepard performing folk, strong West Indies music. Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Clarinet Chamber Ensemble.

**Agricultural Sciences, 3:30-5 p.m., 118 Agricultural Sciences and Industries Bldg.** Student and faculty roundtable on "A Conversation on College Teaching." **Engineering, 3:45 p.m., Kern Graduate Commons Auditorium.** James E. Marley on "Engineering Excellence: The Key to Global Survival."

**Architecture, 5 p.m., 108 Wartik Bldg.** George Miller will present a lecture in series, "Partners in Architecture."

**Faculty Staff Club, 5-7 p.m., Board Room, Nittany Lion Inn.** "Mardi Gras Night." Call Sally Kain, 865-0672, or Sandy Edwards, 865-0672.

**Center for the Performing Arts, 7 p.m., Eisenhower Greenroom.** A member of the Mark Morris Dance Group will present a lecture.

**College of Education, 7 p.m., 112 Chambers Bldg.** Harvey J. Kaye on "The Crisis of History and the Future of Historical Education."

**Third annual "Malcolm X" Lecture, 7:30 p.m., Paul Robeson Cultural Center.** Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Mark Morris Dance Group. Tickets required. Reception follows in The Tavern Restaurant.

**Student Preview, 8 p.m., The Playhouse University Student Theatre Company presents "Mentally We Roll Along." Tickets required.**

**Friday, Feb. 19**  
**Noon concert,** Kem Lobby. Gordon Law and Friends, modern jazz.

**The Penn State Bookstore, 12:30-2 p.m.** Featured author, James Porterfield.

**School of Music, 2:30 p.m., Rectal Hall.** Graeme Boone on "Pop Acoustics." **Geography Department Coffee Hour, 3:30 p.m., 319 Walker Bldg.** Monroe Newman on "The Irrelevancy of Geography."

**Center for the Performing Arts, 8 p.m., Eisenhower Auditorium.** "A Chorus Line," tickets required. Also Feb. 23.

**The Playhouse, 8 p.m.** University Student Theatre Company presents "Mentally We Roll Along." Reception follows in Nittany Lion Inn. Tickets required. Through Feb. 27.

**Feb. 19-21**  
**IFC Dance Marathon, White Building.**  
**Saturday, Feb. 20**  
**College of Engineering's annual Open House, 9:30 a.m.-3:30 p.m.**  
**Office of Minority Faculty Development, 9 a.m.-noon, 114 Kern Graduate Bldg.** "Vitae Workshop" with James Stewart as speaker.

**Shaver's Creek, 10 a.m.-3 p.m.** Maple Sugaring Volunteer Tapping. Call 863-2000.

**Sunday, Feb. 21**  
**Shaver's Creek, 2-3 p.m.** Snow Scapes. Call 863-2000.

**School of Music, 4 p.m., Rectal Hall.**

**Faculty Showcase Concert.** For tickets, call 814-865-0431.

**Center for the Performing Arts, 8 p.m., Eisenhower Chapel.** Bambi Arndt, solo recital.

**Monday, Feb. 22**  
**Founders' Day,** beginning at noon, Hetzel Union Bldg. Speakers, activity booths, and much more. Evening Old Main Ball Tower Tour.

**Comparative Literature, 12:15 p.m., 101 Kern Bldg.** Monique Yaan on "Ironies of Modern/Postmodern Art."

**Continuous Quality Improvement, 4-5:30 p.m., 312 Keller Conference Center.** A panel discussion open to the entire University community.

**Lantern Tours of campus, 6-8 p.m.** Hosted by Lion Ambassadors. Through Feb. 25.

**German, 8 p.m., 108 Wartik.** "Der Golem (The Golem, 1920)," a silent film with English subtitles.

**School of Music, 8 p.m., Rectal Hall.** Penn State Philharmonic Student Concert. Conductor: Douglas Meyer.

**Tuesday, Feb. 23**  
**Noon concert,** Kem Lobby. The Bellamy Trio.

**Professional Women at Penn State, 11:45 a.m., Fritzel Room, Eisenhower Aud.** Open agenda meeting on "Mentoring: The Window to Professional Success?"

**Architecture, 5 p.m., 108 Wartik Bldg.** James H. Timberlake on "Partners in Architecture."

**International Programs Education Abroad, 5-6:30 p.m., 222 Boucke Bldg.** Hugh Brooks on "South Africa Today."

**Arts and Humanistic Studies, 8 p.m., 112 Walker Bldg.** George Miller on "Yelazquez' Surrender of Breda."

**Wednesday, Feb. 24**  
**School of Music, 8 p.m., Rectal Hall.** Penn State Percussion and Mallet Ensembles.

**Thursday, Feb. 25**  
**International Lecture Series, 9:30-11 a.m., 222 Boucke Bldg.** Edward Shaler on "Caribbean Ecotourism: Management Challenges and Solutions."

**Bach's Lunch, 12:10 p.m., Eisenhower Chapel.** The H-L's on the Penn State Glee Club. Continuing Education School of Music, 3:30 p.m., 502 Keller Bldg. Wayne D. Smutz on "Self-Assessment: Preparing Professionals for Self-Directed Learning."

**Architecture, 5 p.m., 108 Wartik Bldg.** Charles Dagli, Jr. on "Partners in Architecture."

**Enrichment Events, 8 p.m., Schwab Auditorium.** The 1989 film, "The American Experience: Forever Baseball." Tickets required.

**Friday, Feb. 26**  
**Conference, 11:30 a.m.-1 p.m., 402 Keller Conference Center.** "Creating Learning Organizations: Growth Through Quality."

**Noon concert,** Kem Lobby. Nittany Valley Fute Trio.

**School of Music, 2:30 p.m., Rectal Hall.** The Paramount Brass, a lecture and recital.

**Geography, 3:30 p.m., 319 Walker Bldg.** Mary Cawley on "Population Growth, Decline and Restriction in the Republic of Ireland, 1960-1971."

**Center for the Performing Arts, 8 p.m., Eisenhower Aud.** Pittsburgh Ballet Theatre presents "The Mighty Casey." Tickets required.

**School of Music, 8 p.m., Rectal Hall.** Barry Kroeker, oboe.

**Saturday, Feb. 27**  
**Office of Minority Faculty Development, 9 a.m.-noon, 114 Graduate Bldg.** Blaine Bowen on "Precision and Tenure Roundtable."

**Shaver's Creek, 1:30-4 p.m.** Beading Outlook. Call 863-2000.

**School of Music, 2 p.m., Rectal Hall.** Paramount Brass, guest artists.

**Center for the Performing Arts, 7 p.m., Schwab Aud.** James Lyon on "Artistic Viewpoints." Center for the Performing Arts, 8 p.m., Schwab Aud. The Beaux Arts Trio, tickets required.

**Viennese Ball, 8-11 p.m., HUB Ballroom.** Presented by The Penn State Orchestra. Tickets required, call 863-0696.

**School of Music, 8 p.m., HUB Ballroom.** Penn State Philharmonic Ball. For tickets, call 863-0696.

**Sunday, Feb. 28**  
**School of Music, 1:30 p.m., Rectal Hall.** Organ Studio Recital.

### CONFERENCES

**Feb. 18-19**  
**Program for Logistics Executives, Nittany Lion Inn.** Contact: Jim Mencher, 865-7911.

**Feb. 15-March 5**  
**Engineer-Schools as Manager, 30 attendees, Nittany Lion Inn.**

**Feb. 16-20**  
**The American Society of Landscape Architects, 35 attendees, Nittany Lion Inn.**

**Thursday, Feb. 18**  
**PA Bar-Taxes Affecting Estates' Estates, 5 attendees.** Chair, S. Hendrick and J. Misom.

**Sunday, Feb. 21**  
**Game Bid Conference, 75 attendees, Days Inn.** Chair, H. Jordan and M. Johnston. Through Feb. 23.

**Wednesday, Feb. 24**  
**Dental Seminar II, 22 attendees, 502 Keller Conference Center.** Chair, R. Madore and N. McCord, 863-4564.

**Leadership Training Program, 50 attendees, Nittany Lion Inn.** Chair, B. Harman and E. Loop. Through Feb. 25.

**Friday, Feb. 26**  
**Feminism: The Third Wave, graduate student conference, Sparks and Willard Bldgs.** Through Feb. 28.

**Pennsylvania Association for Supervisors, 50 attendees, Nittany Lion Inn.** Contact, James Purdum, 231-7500.

### SEMINARS

**Thursday, Feb. 18**  
**Computer Science, 4 p.m., 325 Whitmore Laboratory.** Alberto Segre on "Learning, Deliberations, and Action: An Adaptive Approach to the Planning Problem."

**Computer Science, 11 a.m., 301 Steidle.** Michel Barsoum on "Transient Plastic Phase Processing of Ultra-Reflective Composites."

**Adult Education, noon, 206 Charlotte Bldg.** Kyle Peck on "Educational Systems Design."

**Gerontology Center, 4-5 p.m., 106 Michell Bldg.** Fred Essile on "Health Care Reform: Implications on the Elderly."

**Friday, Feb. 19**  
**Center for Research in Conflict and Negotiation, 1:15 p.m., 330 Beam.** Bhaskar Chakravorty on "Universal Coalition Proof Equilibrium: Concepts and Applications."

**Geoscience Colloquium Series, 3:30 p.m., 341 Delke.** Tony Prave on "Tide and Storm Dominated Sedimentation in Middle Devonian Mohantango Formation of the Central Appalachian Basin."

**Monday, Feb. 22**  
**Computer Science, 2:30 p.m., 115 McAllister.** Tao Jing, McMaster University, on "Approximation of Shortest Common Superstrings and DNA sequencing."

**Tuesday, Feb. 23**  
**Accounting, 3:30-5:30 p.m., 333 Beam B&B.** Christine Wedman on "Proxies for Earnings Expectations: The Role of Loss Functions."

**Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Auditorium.** Robert R. Minter on "Engineering Approaches to the Toxicity of Inhaled Pollutants."

**Geosciences, 3:30 p.m., 341 Delke.** Ken Kodama on "Effect of Grain Scale Strains on Remnant Magnetization of Rock."

**Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg.** Madeline Sigman-Grant on "Weight Loss: The Goal, Weight Maintenance - The Challenge."

**Biology, 4 p.m., 101 Athuse.** Michael Murtha on "Clustered Homoeox Genes and the Evolution of the Animal Body Plan."

**Materials Science, 4 p.m., 26 Mineral Science Bldg.** Santoro on "Titanium Dioxide Formation and Flammings."

**School of Communications, 11:45 a.m., 101 Canale.** Linda Hagen on "Archival Sources: Obtaining Classified Films and Photographs under the FOIA."

**Wednesday, Feb. 24**  
**Management Science and Information Systems, 3:30-4:40 p.m., 319 Beam Bldg.** J. Keith Orr on "The Evaluation of Forecasting Methods: An Overview and Some Tentative Conclusions."

**Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg.** Steve Johnson on "Materials Challenge for the Next Generation."

**Thursday, Feb. 25**  
**Adult Education, noon, 206 Charlotte Bldg.** Graduate Student Research Roundtable.

**Biology, 4 p.m., 8 Mueller.** Zhu Chun Lai on "Negative Control of Photoreceptor Development in Drosophila."

**Gerontology, 4-5 p.m., 106 Michell Bldg.** K. Danner on "Culture on The Elderly and Some Moral Concerns."

**Computer Science, 4 p.m., 325 Whitmore.** Amy Felly, AT&T Bell Laboratories, on "Proving Properties of Programs Expressed in Higher-Order Syntax."

**Friday, Feb. 26**  
**Center for Research in Conflict and Negotiation, 10:30 a.m., 115 Beam.** Keith Murnighan on "Psychoeconomics of Ultimatum Bargaining."

**School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg.** Kim Steiner on "The Fate of Oak Reproduction in Pennsylvania and France."

### EXHIBITS

**Chambers Gallery:** Paintings and ceramics by undergraduate students, through Feb. 26.

**Pattee Library West Lobby Gallery:** "The Sound of Light": photographs of concerts given by The Cure, Living Colour, Queensrÿche, and others, by Kyle Burkhart.

**Zoler Gallery:** "Photo National," national joint exhibition of contemporary photographs, through Feb. 28.

**■ Reflects an international perspective**

## NEWS IN BRIEF

### Roundtable on learning

"A Conversation on College Teaching," a student and faculty roundtable on learning at Penn State, will be held from 3:30 to 5 p.m. today, in 118 Agricultural Sciences and Industries Building at University Park.

Faculty and students will address issues about teaching and learning such as identifying common classroom characteristics that make a course memorable and successful, how faculty can provide such a learning experience and what is the student's role in making a class successful. The roundtable is co-sponsored by the Instructional Development Program and the Undergraduate Student Government Academic Assembly.

Although registration is not required, call 863-2599 to reserve a place. The public is invited to attend and participate, and refreshments will be served.

### Waterbury Forum

The College of Education's Waterbury Forum for Educational and Cultural Studies will present a lecture by Harvey J. Kaye, Rosenberg professor of social change and development, and director of the Center for History and Social Change at the University of Wisconsin-Green Bay at 7 tonight in 112 Chambers Building at University Park. The lecture is titled "The Crisis of History and the Future of Historical Education."

### Science writers

Karen Freeman, assistant professor of journalism, will lead a lunchtime roundtable discussion, sponsored by the Penn State Chapter of the National Association of Science Writers, at 11:45 a.m. Wednesday, Feb. 24, in Room 313 Kern Building at University Park.

She will lead a discussion of "My Summer and Christmas Vacations at the New York Times."

The Penn State Chapter of the National Association of Science Writers' brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

### Overlooked sources

Linda Hunt, assistant professor of journalism, will make a slide presentation on "Overlooked Sources: Obtaining Classified Films and Photographs under the Freedom of Information Act" at 11:45 a.m. Tuesday, Feb. 23, in 101 Carnegie at University Park.

Journalists, historians and other researchers commonly use government records as a primary source of information. Other key sources often overlooked because they aren't paper documents include classified film and photographs, intelligence agency databases, foreign agent registration act files, and poultry plant inspection databases.

Professor Hunt will describe some of these overlooked sources and provide details on how to obtain them under the Freedom of Information Act.

### Libraries seminars

The University Libraries will offer an Electronic Education Resources Seminar at 7 tonight and at 2 p.m. Tuesday, March 30, in the Training Lab, C404 Pattee Library.

The seminar, to be conducted by Steven Herb, education librarian, and Linda Friend, electronic resources specialist, is the third in a series of "hands-on" sessions offered by the Libraries to help users learn more about the growing number of electronic databases available through the Library Information Access System (LIAS).

The fourth seminar—for graduate students, researchers and faculty—in Psychology, Human Development and Family Studies, and

Communication Disorders—will be conducted by Diane Zabel, social science reference librarian, at 7 p.m. Thursday, Feb. 25, and at 2 p.m. Tuesday, April 6.

### CQI discussion

A panel discussion on Continuous Quality Improvement will be held from 4 to 5:30 p.m., Monday, Feb. 22, in 312 Keller Conference Center at University Park.

Panel members are Louise Sandmeyer, director, Continuous Quality Improvement Center; Gloriana St. Clair, University Libraries CQI Team Sponsor; Frederick Eisele, Health Policy and Administration CQI Team Leader; Clare Kristofco, College of Engineering CQI Team Facilitator. Laura Raiman, College of Engineering, will serve as moderator.

The panel discussion is open to the entire University community.

### Teleconference on quality

A teleconference, "Creating Learning Organizations: Growth Through Quality," will be held from 11:30 a.m. to 1 p.m. Friday, Feb. 26, in 402 Keller Building at University Park.

The live videoconference, sponsored by the College of Education's Center for Total Quality Schools, Department of Audio-Visual Services, and the Continuous Quality Improvement Center, will provide an opportunity for administrators to find out how to ensure quality outcomes by creating a culture of constant learning.

Participating will be Peter Senge, director of the Organizational Learning Center, MIT; W. Edwards Deming, founder of the "Quality Movement"; Linda Darling Hammond, National Center for Restructuring Teaching and Learning, Columbia University; Jay Paradis, president, Brandeis Machinery Co., Louisville, KY; Robert Peterkin, director of the Urban Superintendents Program, Harvard University; Michael Timpane, president of Teachers College, Columbia University.

### Campus Compact grant

Judith Curley and Carol German of the Student Organization Resource Center (SORC) have received a \$3,500 mini-grant from Campus Compact to aid in the development and piloting of a counselor education course on service-learning and to augment the materials in their growing Service Learning Resource Library.

Campus Compact is a national consortium of colleges and universities dedicated to developing the spirit of community service in college youth.

The grant recipients will develop a three-credit Counselor Education course on service-learning and leadership for student coordinators of Penn State's major volunteer programs, to be taught spring semester each year by Ms. Curley.

### Research grants

Four departments, including Business Administration, Mathematics, Mechanical Engineering, and Nutrition, have been awarded one-year grants from a fund established by the Office of the Senior Vice President for Research and Dean of the Graduate School for the purpose of providing promising undergraduates the Intercoms Graduate Degree Program appointments at Penn State. The intent is to allow the students a research experience, and in the process establish a relationship that may attract them to graduate study at Penn State.

A review committee of fifteen faculty members, representing each of the ten colleges and the Intercoms Graduate Degree Programs, reviewed and ranked ten proposals. The four departments were awarded \$25,000 each.

## Town-Gown Forum set for March 2 at Nittany Lion Inn

Penn State, the State College Area Chamber of Commerce and the Centre County Industrial Development Corporation are sponsoring a Town-Gown Forum to explore partnerships among business, government and the University.

The Forum will be held from 7 to 9 p.m. Tuesday, March 2, at the Nittany Lion Inn. Community leaders and others interested in furthering town-gown relationships are encouraged to attend.

Featured speaker will be Arthur Dunning, executive director of the Georgia Partnership for Excellence in Education. Mr. Dunning has served as vice-chancellor of services for the Board of Regents of the University Systems of Georgia, where his role of public service in community and economic development was a central force.

A panel will then lead a discussion on local implications in furthering town-gown relationships are encouraged to attend. Featured speaker will be Arthur Dunning, executive director of the Georgia Partnership for Excellence in Education. Mr. Dunning has served as vice-chancellor of services for the Board of Regents of the University Systems of Georgia, where his role of public service in community and economic development was a central force. A panel will then lead a discussion on local implications in furthering town-gown relationships are encouraged to attend. Featured speaker will be Arthur Dunning, executive director of the Georgia Partnership for Excellence in Education. Mr. Dunning has served as vice-chancellor of services for the Board of Regents of the University Systems of Georgia, where his role of public service in community and economic development was a central force.

## Continuing Education accepting 1993-94 internship applications

Penn State Continuing Education is accepting applications for the 1993-94 Continuing Education Internship Program, which is open to all University faculty and staff members who have been actively and directly involved in continuing education.

Continuing Education will sponsor six internships of one week in length - one per month - in September, October, November, February, March and April.

The internships are intended to give participants an enhanced understanding of Continuing Education and its relationship to various parts of the University. They also are intended to encourage participants to share a broader vision of potential expanded relationships between their work and other areas of Continuing Education and the University.

Internships may be based at University Park or at one or more of the Continuing Education regions across the state or at a combination of both. Continuing Education will cover lodging and meal expenses for interns traveling to a location other than where they are based, while the intern's home office will be responsible for transportation costs.

Applications and nominations are encouraged; an application form will be sent to the nominee. For application forms or additional information, contact Donna S. Queoney, director of research and external relations, (814) 863-7752, 210 Keller Building, University Park. The deadline for submitting applications is Thursday, April 15.

## Arts

### Continued from Page 6

peanuts will sharpen the nostalgia as vendors work the aisles of the theater.

The Pittsburgh Ballet Theatre also will perform "Hunter's Moon," a sensual piece animated by the folk music of many diverse cultures.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

To coincide with the performance, the Center for the Performing Arts will present a film, "The American Experience: Forever Baseball," at 8 p.m. Thursday, Feb. 25, in Schwab Auditorium.

Hosted by Patrick Trimble, the 1989 film examines America's national pastime through the

eyes of writers, artists, and historians.

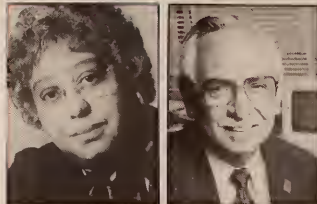
The film is free to the public.

### Photo exhibit

"The Sound of Light," an exhibition of photographs by Kyle Burkhardt, is on display in Pattee Library's West Lobby Gallery until March 31.

The exhibition includes a collection of 20 black and white photographs of concerts given by The Cure, Living Colour, Queensryche, and others taken between January 1991 and June 1992. The photographs depict the drama of live performances and the casual atmosphere backstage during interviews with the press.

# College of Education establishes Board of Visitors Prominent leaders to help plan future direction



Constance Clayton Eugene Cota-Robles

In conjunction with the College of Education, President Thomas has established the first College of Education Board of Visitors. The board, consisting of prominent educators and businessmen, will regularly visit with University and College administrators to assist in future planning for College of Education initiatives and to offer input relating to ongoing activities.

Serving on the board are Constance Clayton, superintendent, Philadelphia Area School District; Eugene Cota-Robles, National Science Foundation; K. Patricia Cross, Conner professor of education, University of California, Berkeley; Asa Hilliard, Calloway professor of urban education, Georgia State University; Harold L. Hodgkinson, director, Center for Demographic Policy, Institute for Educational Leadership, and William Kolberg, president, National Alliance of Business.

"This is a very distinguished group of individuals, all of whom have extraordinary abilities and credentials," Rodney J. Reed, dean of the College of Education, said. "The discussions that I already have had with them have proven invaluable to me and to the College. We are fortunate to have garnered their support and I am looking forward to welcoming them this spring."

The College of Education Board of Visitors will visit University Park in March, and will be hosted by College and University officials for two days of discussions with faculty, staff, and students. Clayton has served as superintendent of the Philadelphia Area School District for ten years, although she has been affiliated with that school district for more than 30 years. She holds B.S. and M.Ed. degrees from Temple University, and an Ed.D. in educational leadership from the University of Pennsylvania, where she was a Rockefeller Scholar. Honorary doctorates have been conferred upon Dr. Clayton by more than 15 colleges and universities.

Active in the community, the academic world, and in youth and school organizations, she serves on a number of boards of directors. She is a member of the Board of Trustees of the Philadelphia Museum of Art, Drexel University, and Bryn Mawr College. In addition, she serves on the advisory committee of Penn State Great Valley.

In summer 1992, Dr. Cota-Robles was named special assistant to the director of the National Science



K. Patricia Cross

Foundation in Washington, D.C. Prior to this appointment, he served within the University of California system for more than 30 years, retiring as professor emeritus of biology in 1991. Within the University of California system, in addition to teaching and research, his administrative service involved many different positions.

Dr. Cota-Robles holds M.A. and Ph.D. degrees in microbiology from the University of California, Davis, and a B.S. degree in bacteriology from the University of Arizona. From 1970-1973, he served as professor and head of the Department of Microbiology at Penn State, and has done sabbatical and postdoctoral work in Sweden, at Uppsala University and the Sabbatsberg Sjukhus and Karolinska Institute, respectively.

Dr. Cross has had a varied and distinguished career as university administrator, researcher, and teacher. She has served as dean of students at Cornell University, distinguished research scientist at the Educational Testing Service, and professor and chair of the Department of Administration, Planning, and Social Policy at the Harvard Graduate School of Education.

The author of eight books and more than 150 articles and chapters, she has been recognized for her scholarship by election to the National Academy of Education and receipt of the E.F. Lindquist Award from the American Educational Research Association. Dr. Cross received her bachelor's degree in mathematics from Illinois State University, and master's and Ph.D. degrees in social psychology from the University of Illinois.

Dr. Hilliard is the Fuller E. Calloway professor of urban education at Georgia State University, with joint appointments in the departments of Educational Foundations, Early Childhood Education, and Counseling and Psychological Services. Prior to his appointment at Georgia State University, he served on the faculty at San Francisco State University for 18 years and was dean of the School of Education for eight years. In addition, he spent six years in Liberia, during which he was a consultant to the Peace Corps, a school psychologist, and was superintendent of schools in Monrovia.

He has participated in the development of several national assessment systems and has been active in forensic psychology, serving as an expert witness in several landmark federal cases on test validity. Dr. Hilliard holds a B.A. degree in psychology, an M.A. in counseling, and



Asa Hilliard



Harold L. Hodgkinson

Ed.D. in educational psychology/teacher education, all from the University of Denver.

At the Center for Demographic Policy Institute for Educational Leadership, Dr. Hodgkinson directs research on demographics and education. In addition, he serves as senior advisor of the American Council on Education, trustee of Hartwick College, and member, Board of Overseers, Regents College. Dr. Hodgkinson has held fellowships to study collaborators between business, higher education, and public schools, has served as president of the National Training Laboratories, and has directed the American Management Association and the National Institute of Education.

He has directed eight major research projects for the Carnegie Commission, the U.S. Office of Education, the Ford Foundation, and the Atlantic Richfield Foundation. Author of 12 books, three of which have won national awards, and over 200 articles, he was one of three Americans awarded the title of Distinguished Lecturer in 1989 by the National Science Foundation. Degrees earned include an undergraduate degree from the University of Minnesota, a master's degree from Wesleyan and a doctorate from Harvard University.

Mr. Kolberg has been the president and chief executive officer of the National Alliance of Business in Washington, D.C., since January 1980. Prior to joining the Alliance, he was vice president for public affairs to Union Camp Corporation, president of Kolberg and Associates, and consultant to the Business Roundtable. A highly regarded commentator on education reform and other aspects of U.S. workforce quality, Mr. Kolberg has made major television and National Public Radio appearances.

Before entering the private sector, he served as assistant secretary of labor and administrator of the Employment and Training Administration. In addition, he served as assistant director of the Office of Management and Budget, Executive Office of the President, and associate manpower administrator and deputy assistant secretary of labor for administration. Dr. Kolberg holds a B.A. degree from the University of Denver, an M.S. (Carnegie Fellow) from the University of Denver School of Business, and holds an honorary doctorate from Atlanta University.



William Kolberg

## OBITUARIES

Roderick E. Barnaby, mailing room assistant, College of Agricultural Sciences; from Oct. 4, 1976, until his retirement Jan. 1, 1991; died Jan. 3 at the age of 64.

Edward P. Beck, maintenance worker, Housing and Food Services; from Feb. 1, 1953 until his retirement Jan. 30, 1988; died Dec. 11. He was 66.

Wilbur Dean, agronomy technician, College of Agricultural Sciences; from

Nov. 16, 1944, until his retirement Jan. 1, 1978; died Jan. 10 at the age of 75.

Charles J. Dusch Jr., maintenance mechanic, Penn State Harrisburg; from Dec. 1, 1969, until his retirement Feb. 27, 1982; died Nov. 27 at the age of 73.

John O.C. Heckman, supervisor, maintenance, Housing and Food Services; since June 9, 1980, died Dec. 15. He was 59.

Alton D. Kessinger, maintenance utility worker, Office of Physical Plant; from Sept. 12, 1949, until his retirement May 14, 1983; died Jan. 11. He was 71.

Harry R. Meyers, lead mechanic, locks and hardware, Office of the Physical Plant; since Aug. 17, 1959, died Dec. 14 at the age of 54.

Lorna E. Nestle, secretary, College of Agricultural Sciences; from July 1,

1933, until her retirement Sept. 1, 1959; died Nov. 10 at the age of 98.

Mary A. Perriello, secretary B, New Kensington Campus; from Feb. 22, 1971, until her retirement Dec. 1, 1990; died Dec. 16. She was 62.

Sara R. Poorman, clerk, accounts payable, Housing and Food Services; from Aug. 1, 1947, until her retirement Aug. 23, 1973; died Nov. 22 at the age of 83.

PROMOTIONS

Staff

Floyd A. Benko to research support technician III at the Hershey Medical Center.  
Louise H. Brown to associate director of development in Development and University Relations.  
Kathryn L. Carper to accountant in Research and Graduate School.  
Jeri L. Cleary to staff assistant V at The Behrend College.  
Ronda M. Daniels to staff assistant VI at The Hershey Medical Center.  
Cindy A. Ditzler to staff assistant V at the Hershey Medical Center.  
Caroline N. Egebu to technical/administrative specialist in the Office of Physical Plant.  
David R. Fishburn to truck supervisor in Research and Graduate School.

Charles E. Galgoci to director of graduate admissions and programs in Research and Graduate School.  
Brenda L. Gerberich to account aide at the Hershey Medical Center.  
Wendy L. Gilpin to systems programmer/coordinator in ARL.  
Tanya A. Heatwole to curriculum coordinator of Problem Based Learning at the Hershey Medical Center.  
Melissa A. Kern to staff assistant VI in Engineering.  
Karen L. Kimberling to marketing information coordinator in Computer and Information Systems-Computation Center.  
Elizabeth D. Mateer to human resource development specialist in the Office of Human Resources.  
Cheryl A. Meador to staff assistant VII at the Hershey Medical Center.

Kathy L. Norris to staff assistant IV in Development and University Relations.  
Jeffrey R. Novosel to drafter/designer, electro/mechanical in ARL.  
Andrea M. Penkala to senior technical specialist at the Hershey Medical Center.  
James T. Rohacek to associate hospital director at the Hershey Medical Center.  
Ronald R. Rohde to human resource officer in the Office of Human Resources.  
Marjorie P. Rosefsky to staff assistant V in the Office of Physical Plant.  
Kathleen M. Schwartz to coordinator, Student Organizations and Programs in Undergraduate Programs.  
Robert T. Singer to designer, electro/mechanical in ARL.

PENN STATERS

Monty L. Christiansen, associate professor of recreation and parks and an expert on playground safety and design, presented four invited lectures at Tunghai University and the National University of Taiwan, in the Republic of China.

Austin J. Jaffe, holder of the Philip H. Sieg Professorship in Business Administration, served as a visiting professor in the School of Building and Estate Management at the National University of Singapore.

Lyle Merriman, director of the School of Music, and acting dean of the College of Arts and Architecture, has been elected to a three-year term as chair of the Commission on Accreditation for the National Association of Schools of Music.

Michael M. Naydan, head of the Department of Slavic and East European Languages and associate professor of Slavic languages, has been named editor-in-chief of *Slavic and East European Journal*, the leading journal for Slavic language, literature

and linguistic studies in the United States. Linda J. Ivanits, associate professor of Russian and comparative literature, has been named associate editor for literature and folklore. The journal's central office will move to Penn State from the University of Minnesota.

Patricia Powley, family resource management agent in Dauphin County, has received the Northeast Region Distinguished Service Award from the National Epsilon Sigma Phi Honorary Extension Fraternity. She also has been installed as president of the Pennsylvania Association of Extension Home Economists.

Roy F. Willis, professor of physics, has received the 1992 Shop Note Award of the American Vacuum Society for his coauthorship (with his former student Dr. D. Joon) of an article titled, "Inchworm Controller for Fine Approach in a Scanning Tunneling Microscope," published in the *Journal of Vacuum Science Technology*.

Charlotte F. Smith, research technologist in Agriculture; from July 1, 1982, to Jan. 1.

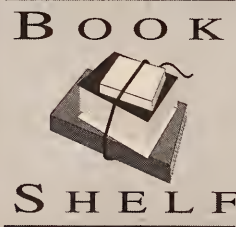
Theresa A. Solomon, nutrition advisor in Agriculture; from April 15, 1977, to Jan. 1.

Claire P. Usher, assistant director, Graduate Admissions, in Research and Graduate School; from Mar. 17, 1980, to Jan. 1.

Jacqueline M. Wirth, extension agent in Agriculture; from April 1, 1975, to Jan. 1.

Leonard E. Witt, banquet cook at the Nittany Lion Inn, has retired after 26 years service.

Melissa M. Zechman, supervisor, verifications/cashiers, at Hershey Medical Center; from June 10, 1974, to Jan. 5.



Terence Brown, associate professor of transportation and marketing at Penn State Harrisburg, is the author of *Transportation Brokers: History, Regulation and Operators*.

This introductory level book acts as a convenient source of information on property brokerage and is an effective tool for those preparing for the TBCA (Transportation Brokers Conference of America) Certification Exam.

The book includes descriptive and background information and readings written by successful brokers on the topic of brokerage operations. Additionally, readings offering technical advice and opinions from specialists on broker liability, contracts, computers and marketing are highlighted.

Geoffrey Godbey, professor of leisure studies, is co-author of *The Sociology of Leisure*, published by Venture Publishing, Inc.

The book examines leisure from a sociological point of view, because people experience much of leisure within social groups—from the family to special interest clubs. The book gives a history of leisure and explains its diverse roles in modern society, using examples from everyday life.

The book is divided into four sections. Part one traces the history of leisure prior to and during the Industrial Revolution. The second section introduces the social basis of leisure, including such issues as work, economics, culture, ethnicity, religion, family, and communities.

It also focuses on human development, sex and sensuality, gender, social roles, time, and constraints.

Part three examines the forms of leisure activity, including recreation, tourism, the arts, mass media, sports, and vicarious experiences. Part four examines the future of leisure in a time of rapid social change.

Dr. Godbey is a faculty member in the School of Hotel, Restaurant, and Recreation Management. The book's senior author is John R. Kelly of the University of Illinois.

James L. W. West III, distinguished professor of English and Fellow of the Institute for the Arts and Humanistic Studies, is the editor of *Jennie Gerhardt*, Theodore Dreiser, a volume in the University of Pennsylvania Dreiser Edition.

*Jennie Gerhardt* was Theodore Dreiser's second novel and his first true commercial success. But the text heretofore known to readers is quite different from the text as Dreiser originally wrote it.

As submitted to Harper and Brothers in 1911, *Jennie Gerhardt* was a powerful study of a woman tragically compromised by birth and fate. Harpers agreed to publish the book but was nervous about its subject matter and moral stance. Jennie has an illegitimate child by one man and lives out of wedlock with another—but Dreiser does not condemn her for her behavior.

Harpers insisted on cutting and revising the text, and although Dreiser fought against many of the cuts and succeeded in restoring some material, Harpers shortened the text and completely revised its style and tone.

Working with documents at the University of Pennsylvania's Van Pelt Library and the Alderman Library at the University of Virginia, Dr. West has recaptured the text as it was originally written, restoring it to its complete form.

The edition contains the restored text of *Jennie Gerhardt*, plus historical and textual introductions, historical annotations, illustrations, and textual apparatus.

PARTINGS

Anthony P. DeCrappeo, associate director for grants administration in Research and Graduate School; from April 28, 1981, to Jan. 28.

Deanna R. Dugan, staff assistant VI in C&IS Telecommunications; from Dec. 14, 1982, to Jan. 1.

Helen M. Fleck, staff assistant IX in Health and Human Development; from May 10, 1976, to Jan. 16.

Martha S. Hunnell, Graduate School editor in Research and Graduate School; from Jan. 26, 1981, to Jan. 5.

Catherine E. Magill, kitchen/janitor-worker at Student Services; from Sept. 14, 1981, to Jan. 1.

Glenn A. McCurk, maintenance mechanic A at York Campus; from Nov. 15, 1979, to Jan. 5.

Brenda A. Sinclair, staff assistant VI in Engineering; from July 1, 1981, to Jan. 1.

# Focus on Research

Intercom

February 18, 1993

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## Comic violence helps people cope with fear

hee hee hee hee hee hee hee hee hee  
YUK YUK YUK YUK YUK YUK YUK YUK  
Guffaw

Comic violence in films and TV shows such as "The Addams Family" and "Married With Children" allows audiences to cope with their worst fears, according to a University expert.

"In tough times, the public often likes theater that is hard-edged, even cruel," said Mark Fearnow, assistant professor of theater arts. "A popular Depression play was Enskine Caldwell's 'Tobacco Road,' a comic treatment of poverty and degradation in rural Georgia."

Using rough, even violent slapstick humor, "Tobacco Road" turned the public's worst fears about poverty into a joke and thus made them bearable.

"'Tobacco Road,' like contemporary films such as 'Men at Work' and 'Thru Momma From The Train,' sent out the message that it is okay to laugh at certain situations previously not considered funny," Mr. Fearnow said.

A specialist on the relationship between theater and culture, he is the author of the article, "Chaos and Cruelty in the Theatrical Space: 'Horse Eats Hat,' 'Hellzapoppin' and the 'Pleasure of Farce,'" recently published in the *Journal of American Drama and Theater*.

"In a play with farcical or grotesque violence, one sees aggression expressed, but it is not to be taken seriously," he said.

For example, the classic comedy "Arsenic and Old Lace" centers on two mass murderers who finish off their victims with arsenic. But its manic mayhem is not to be compared with the deliberately graphic violence of "Silence of the Lambs," according to Mr. Fearnow.

By using comic exaggeration and parody, "Arsenic and Old Lace" purges violence of its terror, he noted.

"Saturday Night Live," which originally featured the self-inflicted violence of Chevy Chase, also uses farce to take the sting out of current events, Mr. Fearnow said. "When we see the Clarence Thomas hearings spoofed on 'Saturday Night Live,' it helps us cope with a world that appears hostile and out of control," he explained.

During the Depression of the 1930s, people often sought refuge in farcical theater. Farces such as "Horse Eats Hat" and "Hellzapoppin'" tamed the fear of social chaos through the wildest, most raucous comedy.

"Horse Eats Hat," adapted for the American stage by Orson Welles, is based on a 19th century French farce, "The Italian Straw Hat." "Hellzapoppin'" was written by the vaudeville team of Ole Olsen and Chic Johnson.



Mark Fearnow

Both productions made use of physical danger. "Horse Eats Hat" featured actors dangling from chandeliers at dizzying heights, while in "Hellzapoppin'," actors and technicians attacked the theatergoers, firing guns into the air and blasting air at their ankles in complete darkness, as an announcer warned of snakes loose in the theater.

"'Hellzapoppin'" in particular allowed audiences to cope with disturbing political events such as the rise of Adolf Hitler," Mr. Fearnow said. "A movie that began the 'Hellzapoppin' performance showed pictures of Hitler gesturing maniacally, while the dubbed-in words harangued audiences on the glories of 'Hellzapoppin'."

"Through farce, theater can serve as a surrogate parent who comforts a child in a dark room by turning on a light and revealing the bogeyman as a coat hanging on a doorknob."

Mr. Fearnow recently completed a book-length study of American popular theater as cultural history during the Great Depression.

— Paul Blumenthal

## Neural networks are the key to faster robots

Think computers are replacing humans? Think again. Robots haven't been able to mimic human motion very well, according to Penn State researchers, who say getting robotic movements that mirror human motion may require computers to be programmed to emulate the human brain.

"I was working with a six-legged walking machine and realized that it took enormous amounts of calculation to get the legs to even come close to simulating normal walking motions," said John F. Gardner, assistant professor of

mechanical engineering. "It seems incredible. Children process that information all the time, and yet it is extremely difficult for a computer to handle all the necessary information in a reasonable time." The complexity required in walking or other biologically simple motion is one reason why most robots currently used in industry are only pick and place robots programmed for continuous motion.

"The solution is to coordinate motion the way the brain does, with completely

different storage, retrieval and data manipulation methods," Dr. Gardner said. "Neural networks are loosely based on neurobiological principles, not traditional computer approaches."

"Most computers solve problems in a step-by-step, serial process, but the brain has millions of neurons acting simultaneously."

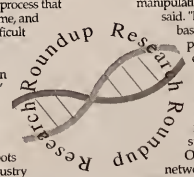
One thing that neural networks do well in solving non-linear problems like robotic control.

Dr. Gardner and Greg R. Luecke, a former Penn State graduate student and now assistant professor of mechanical

engineering at Iowa State University, have applied neural network control to a cooperating manipulator system with some success.

The experimental equipment consists of two robot arms each powered by two motors with the arms connected to an unpowered joint. All four motors must be considered as a whole if the passive joint is to trace a given shape, such as a figure eight, circle or ellipse.

The researchers are using conventional controls for the initial, major control portion to approximate the desired pathway and then neural network controls to optimize the shape.



**T**hanks to recent renovations, the largest collection of tropical plants in Central Pennsylvania has a new home.

The collection, which is managed by the Department of Biology, has been located on the same plot of land next to Buckhout Laboratory at University Park for over half a century. But the structure that houses the more than 2,000 species of plants was leveled last May to make way for a state-of-the-art facility that would make any philodendron or orchid proud.

Richard Cyr, assistant professor of biology in the Eberly College of Science, said that it was time for a change.

"The original greenhouse was built in 1939," he said. It was made of glass panels, which seemed to keep cracking in the same places year after year, and metal, which kept rusting. After all these years, the building was beginning to fall apart."

Aside from structural damage, which was becoming increasingly more expensive to repair, the original greenhouse was posing an even greater problem.

"The structure originally was built as a showcase for the University's extensive botanical collection, not as a place to conduct research," said Dr. Cyr, who worked with greenhouse technician Tony Omels to develop a new, research-friendly design for the facility. "We were dealing with technology that dated back to the '30s; there were very few electrical outlets, and the only way to regulate temperatures was by manually opening and closing various vents. Because we could not adequately control day-to-day heating and cooling, we were limited in the kinds of experiments that we could do."

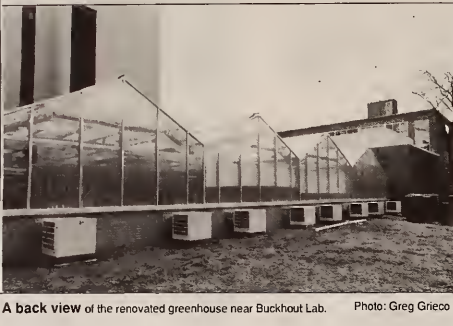
To create an atmosphere more conducive to research, the new greenhouse has been equipped with a better electrical system and most of the temperature controls have been completely automated. The glass panels have been replaced with plastic, making them easier to repair and less costly to maintain, and the entire facility has been designed to meet stringent federal research regulations.

"All of this allows us to maintain a greater degree of environmental control, which is essential for conducting accurate experiments," Dr. Cyr said.

Currently, there are faculty, graduate students, and undergraduates involved in various research projects in the greenhouse. Some of the projects are ecological; some deal

# A Living Museum

## State-of-the-art greenhouse is shelter from the storms



A back view of the renovated greenhouse near Buckhout Lab.

Photo: Greg Grieco

touch the real thing - that type of contact and availability is very important.

"Also, people who aren't even associated with botany or science like to visit the greenhouse on a regular basis to ask questions or to just walk around for five or ten minutes, clear their heads, and relax. There are a lot of people out there who enjoy plants, and they know where to come."

The greenhouse is open to the public 8 a.m. to 3:30 p.m., Monday through Friday. Tours can be arranged for individuals or groups by calling 865-6593.

—Janice Ferguson

with the study of development and entail production of transgenic plants - plants that have foreign DNA and genes introduced into them - and some of them have possible uses in biotechnology.

"The actual modifications in the plants are done in the laboratories," said Mr. Omels, a Penn State alumus who has managed the collection for the past 10 years. "The plants are then brought to the greenhouse where they are observed and studied by the researchers. My job is to provide the plants with the highest-quality growth environment possible."

The greenhouse itself consists of nine different growing areas and the plants are divided according to environmental needs such as light and water. Most of the plants are tropical, and some are common house and garden plants, including coleus, African violets, crown of thorns, tomatoes, and zucchini.

"The greenhouse is a living museum," Dr. Cyr noted. "It is a valuable part of the University's resources, and it is one of the best collections in the state."

"We try to represent as many different families as possible," Mr. Omels said, adding that a few of the plants in the collection are on the threatened or endangered species lists.

He believes the greenhouse serves a dual mission: it provides plants for research and teaching purposes, and it offers a public service to the community.

"The collection benefits students because it gives them the opportunity to study live material in their classes and labs," he explained. "Instead of looking at pictures or dried material, they can see and

## Director of academic affairs being sought for Ogontz Campus

A search committee has been formed to solicit nominations and applications for the position of director of academic affairs at the Penn State Ogontz Campus.

The director of academic affairs is responsible to the campus executive officer for providing leadership for all academic matters, including the campus faculty.

Applicants should have an earned doctorate, or equivalent, and a minimum of five years of experience in a combination of full-time teaching, research

and scholarly pursuits, as well as possess the academic qualifications of a tenured, senior-ranked faculty member.

Annette Caruso, assistant professor of health education at Ogontz, will chair the search committee.

Other members are Jacob DeRooy, associate professor of managerial economics and statistics, Penn State Harrisburg; Donald Gogniat, director of continuing education, Penn State York; Binh Le, assistant librarian, Ogontz; Margaret Lyday, associate

dean, Commonwealth Educational System, Liberal Arts; John Madden, director of academic affairs, Penn State York; Janice Margle, assistant professor of engineering, Ogontz; Moylan Mills, department head and professor of integrative arts, Ogontz; Judy Ozment, associate professor of chemistry, Ogontz; Steven Schultz, Ogontz Student Government Association representative.

The Search and Screening Committee will begin considering candidates on Feb. 27, and will continue until an appointment is made.

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February 18, 1993  
Vol. 22, No. 21

PENNSTATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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## University boasts 10 Fulbright Scholars for 1992-93

Ten University faculty members and an administrator have received awards to lecture, consult or conduct research abroad in the 1992-93 academic year from the J. William Fulbright Foreign Scholarship Board and the United States Information Agency.

"We are very pleased that Penn State continues to demonstrate strong leadership in international education through the Fulbright program," W. LaMarr Kopp, deputy vice president for international programs, said. "Our faculty and staff will not only make contributions to the nations they visit, but will return with new insights and understandings to share with colleagues and students at Penn State."

Fulbright grants are awarded on the basis of a national competition and a peer review conducted by the Council for International Exchange of Scholars. The program represents a significant part of the federal government's commitment to international educational exchange. On their return, Fulbright scholars share their experiences through seminars, meetings and publications.

Those listed below have received confirmation of their Fulbright Awards and many are serving on them now. Some are year-long appointments, others have appointments for six months or less. Typically, other faculty members receive notice of awards throughout the spring as agreements between the Fulbright Board and host countries are reached.

— Mary M. Adams, admissions counselor, has received an award in the U.S. German International Education Administrators Program for this spring.

— Katherine T. Frith, associate professor of advertising in the School of Communications, to lecture and conduct research at the Bandung Institute of Technology in Indonesia.

— Henry Hermanowicz, dean emeritus and professor emeritus of education, to lecture and conduct research at the Korea National University of Education in Chungbuk, Korea.

*It's a small world after all...*



This map shows the 10 countries where Penn State will have a presence during the 1992-93 academic year through the J. William Fulbright Foreign Scholarship program.

— Roger T. Koide, assistant professor of biology, to lecture and conduct research at the Waite Agricultural Research Institute in Adelaide, Australia.

— John D. Martz, professor of political science, to lecture at the Javerian University in Bogota and the Javerian Autonomous University in Bucaramanga, Colombia.

— Kurt H. Parkum, associate professor of business administration at Penn State Harrisburg, to lecture at the Institution of Organization and Industrial Sociology at the Copenhagen Business School, Denmark.

— Robert Plomin, professor of health and human development and director of the Department of Health Genetics, to conduct research at the University of Wales

College of Medicine in Cardiff, Wales, United Kingdom.

— Elwood L. Shafer, professor of hotel restaurant and institutional management, to conduct research in Nassau, Bahamas, Barbados, Jamaica, and the Dominican Republic.

— William G. Tierney, associate professor of higher education in the Center for the Study of Higher Education, to conduct research in the Central American Republics Research Program in Costa Rica, Guatemala and Panama.

— Jeffrey S. Walker, associate professor of English, to lecture at the University of Athens in Athens, Greece.

For more information, contact Fulbright coordinator Mary E. Gage at 814-865-7681.

## President of Cheyney University to present Oswald Lecture

Douglas Covington, president of Cheyney University of Pennsylvania, will present the ninth John W. Oswald Lecture in Higher Education at 5:30 p.m. Wednesday, March 24, in the Rotunda of Old Main at University Park.

The Oswald Lecture, created by the Board of Trustees, is devoted to issues that concerned the 13th president of Penn State, Dr. John Oswald, who served from 1970 to 1983.

Dr. Covington also has served as president of Alabama A&M University in Huntsville, Ala. (1984-1987), and chancellor of Winston-Salem State University in Winston-Salem, N.C. (1977-1984).

Prior to becoming president of Cheyney University of Pennsylvania on July 1, 1992, he was the special

assistant to the chancellor for the State University and Community College System of Tennessee. The system comprises six universities, 11 community colleges, three technical institutes and 26 area vocational technical schools. It serves approximately 140,000 students at the post-secondary level and is the ninth largest college and university system in the United States.

He has held leadership roles on governing boards of numerous civic and professional organizations at the state and national levels. He has served on executive committees of the American Association of State Colleges and Universities, the Council for the Advancement and Support of Education, the North Carolina Association of Colleges and

Universities and the North Carolina Medical Care Commission.

Dr. Covington's professional leadership activities have allowed him to travel extensively throughout the United States and abroad. He has represented professional organizations and government organizations through visits to Canada, Mexico, Brazil, Venezuela, England, France, Switzerland and Israel as well as the African republics of Liberia, Sierra Leone and Senegal. He also has been cited as a distinguished alumnus by both Central State University and Ohio State University.

He holds a B.S. degree from Central State University, an M.A. and a Ph.D. from Ohio State.



Douglas Covington

## Events planned to celebrate Women's History Month in March

Penn State will observe Women's History Month in March with films, brown-bag lunch discussions, lectures and other educational programs.

Sponsored by the Center for Women Students, Women's Studies and other University units, Women's History Month will focus on the accomplishments of women often ignored in officially recorded history. Activities will be inclusive of women from diverse racial, ethnic and cultural backgrounds, including all socioeconomic backgrounds, ages, sexual orientations, circumstances, and lifestyles.

Activities will begin Tuesday, March 2, with an International Women's Day panel discussion. Women representing different cultures will informally

speak on the role of women in their countries.

A brown bag lunch series film/discussion titled, "Freedom Bags" is scheduled for noon to 1 p.m., Wednesday March 3, in 120 Boucke. Sheila Martin, National Media Center on Cultural Diversity director, will facilitate. At 8 p.m. will be a Contemporary Scholarship on Lesbian and Gay Lives Speaker Series presentation titled, "Romance and Mythology: Where can we get it? Do we need it?," by Jewell Gomez, poet, novelist, critic and New York State Program on the Arts director of literature.

A film/discussion presentation titled "Shoulder to Shoulder" is scheduled for Tuesdays, March 16, 23 and 30, from 7 to 9 p.m. in 113 Carnegie Building.

March 25 will feature a Six Feminist Scholars Lecture Series presentation titled, "Is the End of the Cold War Good for Women?," 8 p.m. in the HUB Gallery. Cynthia Enloe, Clark University professor and Department of Government chair, will lead discussions.

A brown-bag lunch series presentation titled "Spirituality and Healing from Abuse: An Informal Discussion" is scheduled March 30, noon to 1 p.m. in 120 Boucke Building. Patty Johnstone, Center for Women's Studies assistant director, will facilitate.

The month will conclude with a brown-bag lunch series presentation noon to 1 p.m. in 120 Boucke titled, "Feminist Activism," by Donna Hughes, Women's Studies lecturer.

### Purchasing officer named to regional council

Richard L. Crowley, University purchasing officer, has been elected chairman of the board of the Regional Minority Purchasing Council of Central Pennsylvania (RMPC).

The mission of the RMPC, which is an affiliate of the National Minority Suppliers Development Council, is to educate, promote, and provide leadership for the development of minority business enterprises (MBEs) and to create a positive business climate that will provide for MBE growth and profit for the creation of new job opportunities and the retention of existing jobs.

RMPC provides programs designed to increase financial management skills and self-development with specific areas of concentration in improving market opportunities and capital formation.

### DIVERSITY OPPORTUNITIES CALENDAR

**Thursday, Feb. 25**  
Lesbian/Gay/Bisexual Activity/Staff and Allies, 5:30 to 7 p.m., 101E Henderson Building. A presentation on domestic partner benefits by Billie Wilkins, assistant vice president for human resources.

**Friday, Feb. 26**  
Alpha Phi Alpha, 7:30 p.m., Paul Robeson Cultural Center. Black History Month/Ebony and more presentation titled, "Celebration of Black Vocalists," by actress Jennifer Lewis.

Women's Studies, Center for Women Students, Feb. 26-28, Sparks Building. Graduate Student Conference titled, "Feminism: The Third Wave." For more information, contact Women Studies at 865-4025.

**Saturday, Feb. 27**  
Office for Minority Faculty Development, 9 a.m. to noon, 114 Kern

Graduate Building. "Promotion and Tenure Roundtable" is the fourth in a series of workshops. Blainie Bowen, professor of agricultural and extension education, will be the speaker. Attendance is limited to those who have participated in a previous promotion and tenure workshop. To make reservations, contact Leah Witzig at 863-1663.

**WPSX-TV, 1:30 p.m., Channel 3.**  
Program titled "Freedom Rider: Desmond Tutu at Penn State." Until Feb. 28

Hetzel Union Building Browsing Gallery. Display featuring five multicultural murals representing cultural diversity at Penn State.

**Tuesday, March 2**  
Paul Robeson Cultural Center, 7 p.m. Invention film/discussion series presentation titled, "Who Lives, Who Dies:

Who Receives Health Care in America." Wednesday, March 3

Forum on Black Affairs, 7 p.m., Paul Robeson Cultural Center. General meeting.

Department of Human Development and Family Studies, 8 p.m., Agricultural Sciences Building. Contemporary Scholarship on Lesbian and Gay Lives Speaker Series presentation titled, "Romance and Mythology: Where Can We Get It? Do We Need It?" Lecturer will be Jewelle Gomez, poet, novelist, critic and New York State Program on Arts director of literature programs.

**Through March 21**  
Paul Robeson Cultural Center. Traveling Smithsonian photo exhibit titled "Songs of My People," is a visual exploration of Black life in America.

## Advisory committee to review strategic plan updates

The strategic plans that have been submitted by the University's academic and support units will soon undergo another phase of the review process that is planned as the President's Planning and Budget Advisory Committee prepares for its first meeting.

This group, consisting of 22 faculty, students, staff, and administrators, is asked each year to review the strategic plan updates and provide advice to the President's Budget Task Force regarding resource allocations. Although this year's process is more involved because of the work of the Future Committee, President Thomas has again appointed a new Planning and Budget Advisory Committee. Most of the work of the Advisory Committee will occur between March and May.

"The Planning and Budget Advisory Committee has been very helpful guiding us in recent years and I want to continue receiving that important input this spring. The Advisory Committee's activities will complement the process that the University Future Committee has followed during the past 11 months," President Thomas said.

"In appointing this committee, I have asked them to review the strategic plans independently," Dr. Thomas said. "I am looking to this group of faculty, students and others to offer me their assessment of the strategic plans, with particular emphasis on resource decisions for the 1993-94 year."

At the same time, Dr. Thomas appointed several members of the Future Committee to also sit with the President's Planning and Budget Advisory Committee.

*"The University has never had such a detailed review of its resources and areas for allocations to be targeted. But when you consider the amount of state funding that Penn State has lost in recent years, this extensive process has to take place to ensure the University's forward momentum."*

President Thomas

"The Advisory Committee may find it valuable to get the insight some of the Future Committee members bring from their hundreds of hours of meetings with faculty, staff and student groups and review of background information," Dr. Thomas said.

Members of the Advisory Committee for 1993 include: John A. Brighton, executive vice president and provost; Barton Browning, associate professor of German; E. Emory Ensore, Jr., professor of industrial engineering; Eva Pell, professor of plant pathology; James Smith, professor of English and American Studies; Hina Khan, undergraduate stu-

dent; Lisa S. Loch, undergraduate student; John P. Meredith, undergraduate student; Jennifer J. Wagner, graduate student; P. Richard Altohouse, University budget officer; William W. Asbury, vice president for student affairs;

Stephen R. Curley, staff assistant to the executive vice president and provost; Robert E. Dunham, senior vice president and dean, Commonwealth Educational System; J.D. Hammond, chair, Council of Academic Deans; Grace Hampton, vice provost; C. Gregory Knight, vice provost and dean for undergraduate education; C. Gregory Lozier, executive director, planning and analysis; James H. Ryan, vice president for Continuing Education; Gary C. Schultz, associate vice president for finance; David A. Shirley, senior vice president for research and dean of the Graduate School; James B. Stewart, vice provost for educational equity; and Russell S. Vaught, director, Center for Academic Computing.

Also participating are administrative fellows M. Rachel Miller and Leslie Brown. John Brighton will chair the committee.

"The University has never had such a detailed review of its resources and areas for allocations to be targeted," President Thomas said. "But when you consider the amount of state funding that Penn State has lost in recent years, this extensive process has to take place to ensure the University's forward momentum."



## NEWS IN BRIEF

## Movement skills

The College of Health and Human Development will offer a free program in basic movement skills and games for children ages 5 through 8, beginning Tuesday, March 2.

The program will be held in Room 126 White Building at University Park on Tuesdays from 3:45 to 4:30 p.m., through April 13. Registration is scheduled for 3:45 p.m. March 2 in Room 126 White Building.

## Bortree Lecture

James A. Bond, head, Biochemical Toxicology Department, Chemical Industry Institute of Toxicology, Research Triangle Park, N.C., will be the fourth speaker in the 1992-93 A. L. Bortree Lecture Series of the Department of Veterinary Science.

He will discuss "The Mechanistic Basis for 1,3-Butadiene Carcinogenicity: Implications for Human Health Risks" at 8:45 a.m. Thursday, March 4, in Room 111 Hensuing Building at University Park.

## "Perspectives on Vietnam"

The Office of International Programs, in conjunction with Human Development and Family Studies, and Women's Studies programs, is presenting "Perspectives on Vietnam," a panel discussion and slide show from the Penn State delegation's January visit and travel in Vietnam. The presentation is at 3 p.m. Tuesday, March 2, in E-101 Hendershot.

## FACULTY / STAFF ALERT

The grace period for filing reimbursement requests for 1992 out-of-pocket expenses under the flexible benefits plan ends March 31. The three-month grace period gives participants an opportunity to claim funds they contributed in 1992 to either a health care or dependent care reimbursement account.

To be eligible for reimbursement, the expense must have been incurred in the calendar year 1992. An expense is considered incurred at the time the actual treatment, service or purchase takes place. Any 1992 funds remaining in a participant's account after March 31 will be forfeited. Faculty and staff desiring participation for 1993 have until March 31, 1994, to claim expenses incurred in 1993.

A health care reimbursement account provides tax savings on money spent for medical expenses not paid for by the participant's medical, dental and vision benefits. A dependent care reimbursement account provides tax savings on expenses paid for the care of an eligible dependent allowing the participant (and spouse if married) to work.

Contributions to and reimbursements from reimbursement accounts are not subject to federal income taxes. The annual election period for flexible benefits is held each November for the following calendar year.

## Population Research Institute receives grant to continue training third-world students

The University is playing a key role in enhancing population expertise in developing countries through training of third world graduate students in demography and policy-related research on population issues.

In support of these efforts, the Hewlett Foundation has awarded a three-year, \$390,000 renewal grant to the Population Research Institute and the Graduate Program in Demography.

"This year marks eight years of support by the Hewlett Foundation for the Penn State program," said Gordon F. DeJong, professor of sociology and director of the Graduate Program in Demography, who coordinates the Hewlett grant with Dennis P. Hogan, professor of sociology and director of the Population Research Institute, and Gretchen T. Cornwell, research associate and assistant professor of rural sociology.

"The current three-year extension will permit us to continue as one of the country's leading centers of national as well as international demographic training and research," he said. According to Dr. DeJong, the major objectives of the Hewlett Foundation grant are:

- Providing stipend and tuition support for third world students to obtain master's and Ph.D. degree credentials in demography through the Demography Program with participating social science departments;
- Enhancing the quality and international content of the Population Research Institute's support for international students' research and training programs;
- Facilitating the continuing professional development

*Students come from all over ... but "what they share is a burning determination to improve the lives of their people."*

Gretchen T. Cornwell  
assistant professor of rural sociology

of the program's third world alumni through a Returning Scholars Program involving skills-updating and research proposal and analysis assistance;

● Stimulating collaborative policy-relevant international demographic research between Penn State faculty and third world scholars and population research institutes.

According to Dr. Hogan, nearly 40 percent of the students enrolled in Demography through the intercollegiate Graduate Program are from developing countries, and three-quarters of that group are women.

He said the students come from all over the developing world—Zaire and Thailand, Cameroon and Nepal—eight nations and as many academic backgrounds, including economics, sociology, agricultural economics, rural sociology, anthropology and nutrition.

"What they share," noted Dr. Cornwell, who is training coordinator of the Population Research Institute's international program, "is a burning determination to improve the lives of their people."

## The sky's the limit



A view of the new Kathryn Wentzel Lumley Aviation Center at Penn College.

## Penn College spreads its wings

The new Kathryn Wentzel Lumley Aviation Center at Penn College is one of the largest and most advanced aviation instructional facilities in the northeast. Students enrolled in the College's aviation and avionics programs began using the 50,000-square-foot, \$6.5 million facility at the start of the spring semester. The building is located at the Williamsport-Lycoming County Airport.

"The spin-off potential for the economy of the area and the state is impressive," said Robert L. Breuder, college president. "Academically, we have the latest in equipment and training. Geographically, Williamsport is strategically located to attract industry interest."

High expectations are mirrored for the

College's student enrollment. The center provides the institution the potential to double enrollment in its aviation-related offerings. Currently, 80 students are enrolled in three College programs—aviation technology and avionics technology associate degree programs, and an aviation maintenance technician certificate program.

In addition to the facility's hangar area and avionics lab, other high-tech features include a composite materials lab, an engine demonstration area where remote control video cameras help students observe operating engines, and future plans for a paint booth capable of accommodating an entire small aircraft.

An official dedication of the facility is planned for May.

## Center for Medieval Studies established

The College of the Liberal Arts has established an interdisciplinary research Center for Medieval Studies, directed by Vickie Ziegler, associate professor of German. The center will promote intercollegiate interdisciplinary research at medieval studies at Penn State.

The Center for Medieval Studies will organize international medieval studies conferences to be held at University Park every spring. Dr. Ziegler said the conference planned for 1993 focuses on civic drama in the later Middle Ages and will take place at the Litteran Linn Inn March 25-27. Past meetings have examined such themes as the medieval city under siege, matrons and marginal women and medieval agriculture.

In addition, the center will expand on its overseas program, beginning with this year's joint conference with the National Museum of Ireland, held in Dublin, Limerick and Galway, Ireland. For 1995 the center is planning a joint conference with St. Andrews University in Scotland. The center will publish proceedings of these conferences.

Dr. Ziegler said additional projects of the center will include the establishment of a summer institute in Medieval Studies for high school and college teachers, curricular development at the graduate and undergraduate levels, and generating funds for support of Medieval Studies activities at Penn State.

For further information, contact Dr. Ziegler at 863-7484 or 865-1367.

## Bach's Lunch

The Hi-Lo's, a group of 12 singers from the Penn State Glee Club, will perform in concert at 12:30 p.m. today in the Helen Eskin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include songs on the theme of peace. The concert is free to the public.

## Special presentations

**Bill Kolomyjec** of Pixar, a leader in 3-D design, rendering and animation, will make several presentations at University Park this week. Mr. Kolomyjec developed the algorithms used in many movies incorporating computer animation such as "Terminator 2," "The Abyss" and Pixar's own film short "TinToy."

He will be the guest speaker at the Multimedia Special Interest Group meeting at 10:30 a.m. today in Room 141 Computer Building. He will discuss computer animation, rendering, modeling, and rendering over computer networks.

At 7 tonight in 102 Classroom Building, he will present an animation show highlighting many of Pixar's projects. The show is co-sponsored by the School of Visual Arts and the Center for Academic Computing.

The lecture and show are free to the public.

On Friday, Feb. 26, Mr. Kolomyjec will present two hands-on demonstrations from 9 a.m. to noon and from 1 to 4 p.m.

He will demonstrate software developed by Pixar capable of manipulating text for a variety of effects including the rendering of 2-dimensional text in 3-D. Other Pixar software to be demonstrated includes programs capable of transforming imported data into realistic images.

Anyone interested in attending should contact **Patricia Nohra** at 865-0817. Seating is limited and will be restricted to faculty and staff.

## Organ recital

Eight organ students from the studio of June Miller, associate professor of music, will present a recital at 1:30 p.m. Sunday, Feb. 28, in the School of Music Recital Hall at University Park.

The recital is free to the public.

## Art history lecture

Jeanne Chenuault Porter, associate professor of art history, will present a lecture, "The Prophetic: Dozen Ribera's Old Testament Figures at the Certosa di San Martino in Naples," at 8 p.m. Tuesday, March 2, in Room 112 Walker Building at University Park. The lecture is part of the continuing series

"Scholarly Speculations: Recent Research by the Faculty of the Department of Art History" sponsored by the Department of Art History.

Although little has been written about Jusepe de Ribera's Old Testament figures located in the nave of the Certosa di San Martino in Naples, these oil paintings are recognized as masterpieces of 17th century Spanish Baroque painting.

Dr. Porter's lecture will interpret the representation of Ribera's "prophets" in relation to their church setting and within the context of Carthusian theology.

Prior to her 1974 appointment at Penn State, Dr. Porter earned her Ph.D. from the University of Michigan. She specializes in Italian, Spanish and French Baroque painting and Modern American art.

A reception in the lobby of Walker Building will follow the lecture, which is free to the public.

## Electronic music

Employing a variety of equipment, **Burt Fenner**, professor of music, will present a lecture and demonstration on electronic music at 8 p.m.

Monday, March 1, in the School of Music Recital Hall at University Park. The demonstration is sponsored by the Center for the Performing Arts and the School of Music.

This enrichment event is presented in conjunction with the

8 p.m. Wednesday, March 3, performance of "Powaqqatsi Live!" in Eisenhower Auditorium.

The Fenner lecture is free to the public.

## Collage exhibit

An exhibit of **Brian C. Mahony's** collages are on display in Pattee Library's East Corridor Gallery until March 15.

One exhibit piece includes ten panels, each representing a decade dating from 1900 to 1990 and depicting significant events and figures during that time.

Mr. Mahony received a bachelor of science in art education from Penn State in 1990.

## Symphonic Wind Ensemble

**Norman Spivey**, newly appointed faculty member in the School of Music, will be guest soloist with the University Symphonic Wind Ensemble in their first concert of the semester in the Recital Hall on Wednesday, March 3, at 8 p.m. Dr. Spivey, who has a Ph.D. in musical arts from the University of

Michigan, spent four years in Paris as a Fulbright Scholar, a Woolley Scholar, and performing artist. While in France he sang with the L'Opéra de Nantes and with various concert series and regional festivals. He has toured both



Norman Spivey

France and Canada as Papageno in *The Magic Flute*, and won several competitions, including the International Competition of the M'Jodie Francaise in Paris, and Le Concours International du chant de La Flain-sur-Aler. In this program, he will perform a work by the American composer Norman Dello Joio, titled *Songs of Aelandr*.

The percussion section of the Symphonic Wind Ensemble will be featured in a work by Clifton Williams. The Ensemble is conducted by **Smith Toulson**, professor in the School of Music. The performance is free to the public.

## "Powaqqatsi Live!"

The Philip Glass Ensemble will perform "Powaqqatsi Live!" at 8 p.m. Wednesday, March 3, in Eisenhower Auditorium at University Park.

"Powaqqatsi," a Godfrey Reggio film produced by Francis Ford Coppola and George Lucas, employs an intense, though silent, documentary style to portray the metamorphosis of land-based societies into technology-driven urban centers. The film, projected onto a mammoth on-stage screen, will be integrated with the live performance of the Philip Glass score composed specifically to accompany "Powaqqatsi."

In conjunction with the performance, **Bill Kelly**, associate professor of theatre and integrative arts, will present an Artistic Viewpoints discussion at 7 p.m. Wednesday, March 3, in the Eisenhower Auditorium Greenroom.

For ticket information call the Eisenhower Auditorium Ticket Center, 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

## Odyssey on WPSU

Nigerian writer **Amos Tutuola**, who "sees the new with the eyes of the old," is the focus of the next *Odyssey* Through Literature broadcast on WPSU.

On "The Buoy Boy," **Stephen Belcher**, assistant professor of comparative literature, and series host **Leonard Rubinstein** explore Tutuola's use of traditional folkloric elements in his novel, *The Palm-Wine Drinker*.

"Tutuola sets a pattern for unconscious appreciation," Dr. Belcher notes. "He uses the English language, but he's not using a tremendous amount of English culture. He's translating modern Nigeria."

"You could say that this is innocence, ignorance, a cop-out, perhaps, or just a cutting of the Gordian knot, but Tutuola takes the materials at hand—his Yoruba knowledge, the English language he speaks—and just puts it all together quite happily."

*Odyssey* Through Literature is produced by the Department of Comparative Literature in the audio studios of WFSX-TV. It airs Wednesday at 12:30 p.m. on WPSU, 91.1 FM.



Douglas Meyer

## Guest conductor

**Douglas Meyer**, professor of music and conductor of the Penn State Philharmonic and Vienna Orchestra, served, by invitation, as guest conductor for orchestras in Germany and the Czech Republic during a January visit to Europe.

In Germany, Professor Meyer conducted the Kurpfalzische Kammerorchester Mannheim in a program of music by German and American composers.

In the Moravian city of Zlin, Czech Republic, he led the Bohuslav Martinu Philharmonie in a performance of Tchaikovsky's Violin Concerto with violinist **Andrea Mathas**.

Owing to the success of these concerts, Professor Meyer has been invited to conduct in Prague, Czech Republic, in the next two seasons and to conduct on the Martinu Philharmonie's 1995-96 American tour.

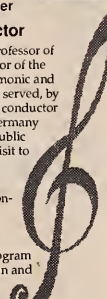
## Visiting composer

**Brenton Broadstock**, senior lecturer in music and head of composition at the University of Melbourne, is in residence at University Park until May 9. He is a visiting fellow in the Australian New Zealand Studies Center and a guest of the Institute for the Arts and Humanistic Studies.

Mr. Broadstock has composed symphonies, concertos, operas, chamber music and pieces for solo instruments. His works have been performed at many international festivals and by all the major orchestras in Australia.

He has received several awards for composition, including the Albert Maggs Award, Second Prize in the Stroud Festival International Composers Competition in England for "Aureole 3," an A.P.R.A. Music Award for his orchestral work "The Mountain," and First Prize in the Hambacher Preis International Composers Competition, West Germany, for his "Tuba Concerto."

Mr. Broadstock will visit classes and give public presentations on his own music and Australian music in general. He can be reached at the Institute for the Arts and Humanistic Studies.

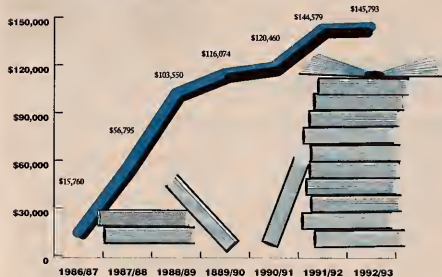


# Endowing Penn State

*How we can lay the foundation for tomorrow's greatness*

## Impact of an Endowment

Paterno Libraries Endowment Fund monies used for acquisitions, 1986-93



The Paterno Libraries Endowment provided more than \$700,000 through FY 1992/93 for acquisitions at University Park Campus, Penn State Harrisburg, Penn State Erie, and at CES campuses. Materials have been purchased in nearly every subject area, including science, the arts, business, engineering, the humanities, rare books and manuscripts, special collections, and electronic resources.

## Permanent scholarships key to recruiting best students

Undergraduate scholarships and awards have always been important at Penn State, but in today's competitive admissions environment they've become critical.

"These funds are absolutely crucial," says C. Gregory Knight, vice provost and dean for undergraduate education. "Without them we just wouldn't be able to recognize achievement or compete for upper-level students."

Approximately 5,000 students annually receive scholarships, fellowships, loans, or other forms of privately funded student aid. As of January 1993, the corporate controller's office reports more than 1,500 individual funds within the pool. About 1,000 of these benefit undergraduate students.

Lisette M. Garcia, a sophomore from Emerson, N.J., majoring in business administration, receives the Marjorie Dunaway Renaissance Scholarship and credits this award for her choice of Penn State.

"Without the Dunaway scholarship, I probably wouldn't be at Penn

State," she says, "I would probably have attended a state school in New Jersey."

Endowments also can enhance the undergraduate experience. University Scholar Joanie Walsh of



Garcia



Walsh

State College, a recipient of an Academic Excellence scholarship, says the program has opened up opportunities she might not otherwise have had.

"It's like being in a small college within the larger University setting. It opens up opportunities for summer work abroad, the smaller class sizes let you get to know the professors, and we have more flexibility in scheduling our classes."

## Endowments ensure the future for others

If you're looking for a way to strengthen the noblest of causes—American higher education—while gaining a piece of immortality in the process, consider making an endowed gift to Penn State.

You don't have to be rich and/or dead to do it. The University offers many creative ways to make an endowed gift—a gift that will last forever—on your terms.

In fact, you can build your endowment in yearly increments and see it mature and begin to work during your own lifetime. Imagine attending with family and friends an endowed lecture series that bears your name, or seeing a deserving student graduate because of a scholarship that *you* endowed!

Or you can make a gift that provides income to your beneficiaries. After that time, Penn State receives the assets to establish the endowment you have chosen. You'll find many scenarios for making endowed gifts with significant tax advantages.

### How does an endowment work?

The University holds your

endowed gift in perpetuity, investing it and spending only a portion of the annual return. The remaining income is added to the principal to protect it from inflation. Thus, if you make an endowed gift today, you may be confident that it will grow and continue to support its purpose far into the future.

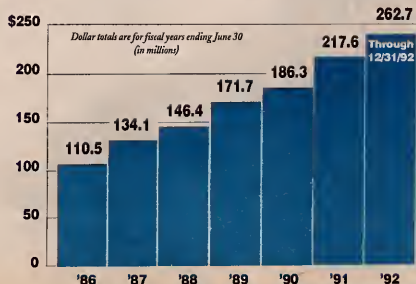
You also can be assured that Penn State's endowment is prudently managed. Fiscal 1991-92 produced the highest total return for the University's commingled endowment pool (12.6 percent) in five years, exceeding the minimum long-term goal of 10 percent per annum and surpassing the rate of inflation by a substantial margin.

### Why are endowments important?

Penn State wants you to consider creating an endowment in order to ensure a vibrant future for the University and its ability to serve humankind. State appropriations have been decreasing in relative terms for more than twenty years; state support currently makes up only 18.2 percent of the University's

*Continued on page 2*

## Market Value of Penn State's Endowment and Similar Funds 1986-92



## Ensuring the future for others

Continued from page 1

operating budget. The rest comes from tuition and fees, grants and contracts, auxiliary enterprises, and private gift support—including endowments.

Endowments have long played a critical role in private higher education. The first American college, Harvard, was founded with an endowment from the estate of John Harvard in 1636. Many universities were brought into being in one fell swoop with huge endowed gifts from benefactors such as Johns Hopkins and Leland Stanford.

Over the last twenty years, flagship public universities have turned aggressively to fund raising to improve academic quality. Endowed faculty positions, for example, help to attract and retain the best teachers and researchers. Endowed scholarships and fellowships strengthen the student body, and help keep higher education affordable. Penn State's rapid rise in academic reputation is related to the quadrupling of its endowment since fiscal 1983.



Roy Buck

*"A few of my colleagues thought I was daft to endow an undergraduate scholarship and research support for untenured faculty. You don't owe the University a damn cent!" was a common remark. However, it seemed to be the right thing to do—to invest in the advancement and productivity of students and faculty. To strengthen Penn State's competitive position in a worldwide educational, scholarly, and research market demands new commitment and thinking, and often non-ordinary action on the part of us all."*

Roy Buck, professor emeritus of social science and did his undergraduate work at Penn State and holds a Ph.D. from the University of Minnesota. He retired in 1981 after 32 years on the faculty and is well known for his studies of Pennsylvania cultures. He has established three endowments in the College of the Liberal Arts: a scholarship for financially needy students who contribute to the diversity of the student body, and two funds to recognize and encourage scholarship in minority cultures by junior faculty.

## Ways to Endow

In addition to the new Lifetime Endowment Program, described at right, donors may choose from a variety of other ways to create an endowment. These include:

- Direct gifts of cash, real estate, securities, or other assets. The endowment will be established as soon as the University receives the minimum commitment.
- Life income plans, such as charitable gift annuities and trusts, that return lifetime incomes to donors or other beneficiaries. After the lifetimes of these beneficiaries, the

remaining assets are used to establish the intended endowment.

- Bequests. Benefactors are encouraged to share details of their estate plans with the University so that their endowment wishes can be properly fulfilled.

*Endowment gift planning is a creative, personal process and may have significant tax implications for the benefactor. For more information about selecting a giving technique that is most appropriate to your needs, consult the Office of Planned Giving and Endowments, Two Old Main, 863-0911.*

## Endowments now within the financial reach of many donors

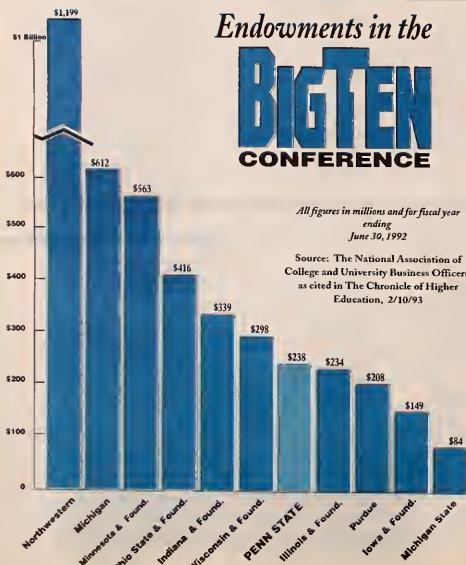
If you think an endowment of \$50,000 or more is far out of your reach, take note. Penn State is developing a new "Lifetime Endowment Program" that will give faculty and staff the chance to establish a larger endowment than one might have thought possible at a much lower cost.

Perhaps better yet, for benefactors whose only hope to fund an endowment is through their estate, the Lifetime Endowment Program is designed to activate the endowment during the donor's lifetime.

The program will enable benefactors to establish an endowment of \$50,000 or more through five modest annual installment payments based on the age of the donor. These dollars will then be invested by the University until the desired endowment level is reached.

For example, if you are 45 years old, you could participate in the Lifetime Endowment Program with a five-year pledge of approximately \$2,400 per year. The gifts would then be invested by the University until the total amount of your fund reaches a minimum of \$50,000. Based on projected investment performance and actuarial tables, your endowment should be established during your lifetime. The endowment would bear your name, and can be designated to a specific college or campus for general or scholarship support.

For more details on Penn State's forthcoming Lifetime Endowment Program, please contact the Office of Planned Giving and Endowments at 863-0911.



Elizabeth and Leon Kneebone

*"I joined the Penn State faculty immediately after I finished my graduate work here in 1950. The University did so much for me and my family over the years—two of our children graduated from Penn State—that we thought we should do something to show our appreciation. Endowments are a way to benefit new generations of students and faculty, just as we benefited from those who came before us."*

Professor Emeritus of Botany and Plant Pathology Leon Kneebone, class of 1942, founded Penn State's Mushroom Research Center and is internationally recognized for his work in mushroom science. He and his wife, Elizabeth, a graduate of Greensboro College, created an endowment to support a mushroom reference collection in the University Libraries. They also contributed to the Mushroom Research Endowment in the College of Agricultural Sciences. The Kneebones are members of the Library Leaders and the Mount Nittany Society.



Penn State Fayette Campus

## Endowments changed the face of Fayette Campus

Thirty years ago, a group of Fayette County residents shared a dream to locate an institution of higher learning in their community.

"We knew that many people couldn't afford an education unless they could commute to a nearby campus of a major university," recalls Robert Eberly, a 1939 Penn State graduate and chairman of the board of Uniontown-based Eberly and Meade. "So we approached a select group of universities about locating a campus here, and Penn State quickly rallied to our cause. They joined with us in planting the seed for what is now the Penn State Fayette Campus."

The campus, founded in 1965, has grown from 250 students to more than 1,000. The community involvement that was so evident in the early years also has grown stronger—thanks in large part to endowments.

"My sisters and I were determined to make a college education attainable for financially deprived students who showed great academic potential," explains Mr. Eberly. "We also felt it was difficult enough for them to concentrate on sharpening their learning skills without worrying about finances. That's why we established the Eberly Family Scholarship Endowment Fund."

Endowments have had an important impact on the lives of many students.

"I returned to college after being away for several years," says Brenda Griglack, a physical therapy major. "In order to return as a full-time student and maintain a 4.0 average, I had to quit working. The scholarship enabled me to totally concentrate on my studies."

Robert Eberly says he has "warm feelings" when he sees the results of what his family's endowment and a student's hard work have helped to create.

"Without our financial support and their strong desire to succeed, there may have been one less engineer/architect, or one less teacher or less doctor," he declares. "Whenever my wife, Ellie, and I pass the campus and see what it has become, or read about a student who has benefited from the endowment, I take great pride in reminiscing about what I consider two of the greatest accomplishments of my life—encouraging the founding of the Penn State Fayette Campus and establishing a major scholarship endowment."

Campus Executive Officer August H. Simonsen says the campus endowment totals about \$600,000. "Besides scholarships, we also have endowments for research, campus programs and community services," he says, "and we're working on pledges that we hope will more than double our endowments in the next several years."

## Shirley: More grad fellowships needed

*As senior vice president for research and dean of the Graduate School, you are committed to increasing graduate enrollment significantly. What role will graduate fellowship endowments play in that?*

Fellowships are part of the total package we use to attract highly qualified graduate students. Applications for admission are growing steadily—we had nearly 14,000 this year, compared to fewer than 10,000 in 1986. But the number of admits and new students isn't keeping pace, because many times we can't offer competitive financial aid. More fellowships will help us to convert applications to new students.

*How many endowed fellowships does Penn State offer?*

This year, we awarded 215. By comparison, the University of Michigan awarded about 4,100, Indiana 4,400 and Wisconsin about 1,000. We rank ahead of only Purdue among Big Ten universities.

*With numbers like that, how can we compete at all?*

We have a tradition of excellence in many graduate fields and an eminent faculty. Our research structure is the envy of many other universities. So our reputation gets the attention of prospective graduate students, but to recruit them we've got to have a stronger financial aid package, and that includes endowed fellowships.

*How many fellowships should we have?*

As many as it takes to increase the number of qualified students. We should aspire to increase graduate enrollment at University Park, for example, from 6,600 to maybe as much as 10,000 by the end of the decade. I don't think we can do that without adding a few hundred new fellowships. Right now, graduate students compose only 16.7 percent of our total enrollment. That's not commensurate with our stature as an international center for scholarly research.

*How will you increase the number of fellowships?*

We're working with the deans and their staffs to learn how to focus our collective resources.

We plan to assist them in bringing the allegiance of their graduate alumni to bear on the need for more fellowships. The colleges have the development programs to make fellowships to raise private funds for endowments, and they're best qualified to make fellowship assignments, since they are on the front line of recruiting and teaching. I would like to see fellowships make the "short list" of the highest priority needs of our academic units.



David Shirley

*Does that mean lessened emphasis on Graduate School fellowships?*

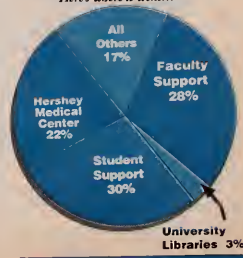
No. Those are extremely important to colleges such as Liberal Arts and Arts and Architecture, that have smaller numbers of graduate alumni with the means to endow fellowships or that don't draw a lot of dollars for organized research. We must foster graduate work in these fields if we are to be a strong national university.

*Can corporate research support substitute for endowed fellowships?*

We hope to reallocate some corporate support to give more assistance to graduate students, but the advantage of an endowment is its dependability. You can count on it year after year. It adds stability to the planning process and carries a certain prestige. We need many more in every college.

**Penn State's endowments generated more than \$10 million in spendable income in 1991-92.**

*Here's where it went...*



### Minimum Levels

#### Endowed Faculty Positions

CHAIRS	\$1.5 MILLION
PROFESSORSHIPS	\$500,000
FACULTY FELLOWSHIPS	\$250,000

#### Endowed Student Aid

GRADUATE FELLOWSHIP	\$100,000
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ACADEMIC EXCEL. SCHOLARSHIP  
\$50,000

INDIVIDUAL SCHOLARSHIP  
\$25,000

UNIVERSITY-WIDE SCHOLARSHIP  
\$15,000

#### Other

PROGRAM SUPPORT  
\$10,000

LIBRARIES ENDOWMENT  
\$10,000

AWARDS, LECTURES  
\$10,000

## ENDOWED CHAIRS, PROFESSORSHIPS, AND FELLOWSHIPS

(As of Jan. 1, 1993)

### Agricultural Sciences

Maurice K. Goddard Chair in Forestry and Environmental Resource Conservation  
C. Lee Rumberger and Family Chair in Agricultural Sciences  
William and Lois Dietrich Endowment in Food Bio-Processing  
Vernon P. Norris Professorship in Poultry Nutrition  
Nancy and John Steimer Professorship in Agricultural Sciences  
J. Franklin Styer Professorship in Horticultural Botany  
John B. Swayne Professorship in Spawn Science  
Alan R. Warehime Endowment in Agribusiness

### The Smeal College of Business Administration

William Elliott Chair in Life Insurance  
Michael J. Farrell Chair in Venture Management  
William A. Schreyer Chair in Global Management Policies and Planning  
Frank P. and Mary Jean Smeal Chairs in Business Administration (5)  
Jonas H. Anchel Professorship in Business Administration  
Irving and Irene Bard Professorship in Business Administration  
Louis R. and Virginia A. Benzak Professorship in Finance  
Abin H. Clemens Professorship in Entrepreneurial Studies  
Ernst & Young Professorship of Accounting  
Robert and Judith Klein Professorship in Management  
David H. McKinley Executive Education Professorship in Business Administration  
Philip H. Sieg Professorship in Business Administration  
Ead P. Strong Executive Education Professorship in Business Administration  
David B. and Shirley L. Sykes Endowed Professorship in Finance  
Charles and Lillian Binder Faculty Fellowship in Business Administration  
Joseph F. Bradley Faculty Fellowship in Finance  
L. W. "Roy" and Mary Lois Clark Faculty Teaching Fellowship in Business Administration  
Franklin H. Cook Faculty Fellowship in Public Policy  
Coopers & Lybrand Faculty Development Fellowship in Accounting  
Deloitte & Touche Faculty Fellowship in Accounting  
Goldman, Sachs & Co. and Frank P. Smeal University Endowed Fellowship in Business Administration

Mellon Bank Faculty Fellowship in Business Administration  
Robert G. Schwartz University Endowed Fellowship in Business Administration  
Cahoon E. & Pamela T. Zimmerman University Endowed Fellowship in Business Administration

### Communications

James R. and Barbara R. Palmer Chair in Telecommunications Studies  
Cable TV Pioneers Chair in Cable Television

### Earth and Mineral Sciences

Centennial Professorship in Mining Engineering  
Victor and Anna Mae Beghini Faculty Fellowship in Petroleum and Natural Gas Engineering  
Corning Faculty Fellowship in Ceramic Science and Engineering  
Philip L. Walker, Jr., Faculty Fellowship in Materials Science and Engineering  
Quentin E. and Louise L. Wood University Endowed Fellowship in Petroleum and Natural Gas Engineering  
MICASU University Endowed Fellowship in Mineral Economics

### Education

Kenneth B. Waterbury Chair in Secondary Education  
Jeanne Leonhard Chair in Education  
Henry J. Hermanowicz Professorship in Education  
**Engineering**  
Brush Chair in Materials  
Robert E. Kirby Chair in Electrical Engineering  
Bernard and Henrietta Hankin Chair in Residential Building Construction  
Bayard D. Kunkle Chair in Engineering  
William E. Leonhard Chair in Engineering  
A. Robert Noll Chair in Engineering  
William L. Weiss Chair in Science, Technology, and Society  
Charles G. Binder Professorship in Computer Engineering  
Boeing Professorship in Aerospace Engineering  
Merrell R. Fenske Professorship in Chemical Engineering  
Stan and Flora Kappe Professorship in Environmental Engineering  
Keen Professorship for Entrepreneurship in Engineering  
William E. Leonhard Professorship in Engineering  
Paul Morrow Professorship in Engineering Design and Manufacturing  
Allen E. Pearce/Allen M. Pearce Professorship in Engineering  
Walter L. Robb Faculty Professorship in Chemical Engineering  
John A. and Harriette K. Shaw Professorship in Civil Engineering  
Harry and Arlene Schell Professorship in Engineering

United Technologies Corporation Professorship in Acoustics  
Charles H. Fetter University Endowed Fellowship in Electrical Engineering  
William L. Weiss University Endowed Fellowship in Engineering  
Raymond A. Bowers Endowment for Faculty Enrichment in Architectural Engineering

### Health and Human Development

Helen A. Guthrie Chair in Nutrition  
Dorothy Fuhr Huck Chair in Nutrition  
Walter J. Conti Professorship in Hotel, Restaurant, and Institutional Management  
Marie Underhill Noll Professorship in Human Performance  
Jean Phillips Shibley Professorship in Behavioral Health  
Doris Hayden Walsh Professorship in Nursing

### Liberal Arts

Mary Jean and Frank P. Smeal Chair in Literary Theory and Comparative Criticism  
Endowed Chair in Jewish Studies  
Julia Gregg Brill Professorship in Women's Studies  
Mitrani Professorship in Jewish Life and Literature  
Josephine J. and David C. Rhea Professorship in Italian  
Edwin Erle Sparks Professorship in English  
Edwin Erle Sparks Professorship in Ethics  
Edwin Erle Sparks Professorship in French  
Edwin Erle Sparks Professorship in German  
Edwin Erle Sparks Professorship in History  
Edwin Erle Sparks Professorship in Rhetoric/Speech Communications  
Edwin Erle Sparks Professorship in Slavic Languages  
Edwin Erle Sparks Professorship in Spanish  
William and Charlotte Duddy University Endowed Fellowship in the Humanities  
Dorothy W. Gilpatrick University Endowed Fellowship in the Humanities  
Melvin and Rosalind Jacobs University Endowed Fellowship in the Humanities  
Helena Rubinstein University Endowed Fellowship in the Humanities  
Josephine Berry Weiss University Endowed Fellowship in the Humanities  
Endowed Professorship in East Asian Studies

### Medicine

J. Lloyd Huck Chair in Medicine  
J. Lloyd Huck Chair in Molecular and Cell Biology  
Drs. Kienle Chair for Humane Medicine  
John W. Oswald Chair in Surgery  
Eric A. Walker Chair in Anesthesiology  
Four Diamonds Chair in Pediatrics  
American Heart Association South Central Pa. Chapter Professorship in Medicine—Cardiology  
Michael and Myrtle Baker Professorship in Surgery—Orthopedic

Jane A. Fetter Professorship in Cardiothoracic Surgery  
George T. Harell Professorship in Comparative Medicine  
Hersey Foods Corporation Professorship in Family and Community Medicine  
University Professorship in Humanities  
University Professorship in Medicine—Gastroenterology  
University Professorship in Medicine—Oncology  
University Professorship in Pediatrics  
Dr. and Mrs. Forney P. George Fellowship in Family and Community Medicine  
Bernard R. Brodie Endowment in Pharmacology

### Penn State Erie, The Behrend College

Samuel A. and Elizabeth B. Breene Fellowship in Management

### Penn State Harrisburg

Quentin Berg Professorship in Engineering Technology  
School of Business Administration Professorship

### Eberly College of Science

Eberly Family Chair in Astronomy  
Eberly Family Chair in Biology  
Eberly Family Chair in Chemistry  
Eberly Family Chair in Computer Science  
Eberly Family Chair in Mathematics  
Eberly Family Chair in Molecular and Cell Biology  
Eberly Family Chair in Physics  
Eberly Family Chair in Statistics  
J. Lloyd Huck Chair in Natural Sciences  
Verne M. Willaman Chair in Life Sciences  
Verne M. Willaman Chair in Molecular Biology  
Paul Berg Professorship in Biochemistry  
Eberly Professorship in Biotechnology  
Russell and Mildred Marker Professorship in Natural Products Chemistry  
Ernest C. Pollard Professorship in Biotechnology  
Raymond N. Shibley Professorship in Mathematics  
Nicholas and Gelsa Pelick University Endowed Fellowship in Biotechnology

### University Libraries

Dorothy Fuhr Huck Chair for Special Collections

### Interdisciplinary

Harry and Marion Eberly University Endowed Fellowship

### Commonwealth Educational System

Bell of Pennsylvania Endowed Faculty Fellowships in Telecommunications Technology (3):  
Penn State Delaware County Campus  
Penn State McKeesport Campus  
Penn State Wilkes-Barre Campus

# University Park Calendar

## Feb. 25 — March 7 SPECIAL EVENTS

**Thursday, Feb. 25**  
 ■ International Lecture Series, 9:30-11 a.m., 222 Boucke Bldg. Elwood Shater on "Caribbean Ecotourism: Management Challenges and Solutions."  
 Multimedia Special Interest Group, 10:30 a.m., 141 Computer Bldg. Bill Kolomyjec will discuss "Computer Animation, Rendering, Modeling, and Rendering Over Computer Networks."  
 Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The H-Lo's from the Penn State Glee Club. Continuing Education Scholars Forum, 3:30 p.m., 502 Keller Bldg. Wayne D. Smutz on "Self-Assessment: Preparing Professionals for Self-Directed Learning."  
 Architecture, 5 p.m., 108 Wartik Bldg. Charles Dagt Jr. on "Partners in Architecture."  
 Lantern tours of campus, 6-8 p.m. Hosted by Art Ambassadors. Through Feb. 25  
 Arts and Architecture, 7 p.m., 102 Classroom Bldg. Bill Kolomyjec will present an animation show highlighting many of Pixar's projects.  
 Enrichment Events, 8 p.m., Schwab Auditorium. The 1989 film, "The American Experience: Forever Baseball." Tickets required.  
 The Playhouse, 8 p.m., University Resident Theatre Company presents "Merly We Fit Along." Reception follows at Nittany Lion Inn. Tickets required. Through Feb. 27.  
**Friday, Feb. 26**  
 Arts and Architecture, 9 a.m.-noon and 1-4 p.m. Bill Kolomyjec will present two hands-on demonstrations of software developed by Pixar.  
 Teleconference, 11:30 a.m.-1 p.m., 402 Keller Conference Center. "Creating Learning Organizations: Growth Through Quality."  
 Noon concert, Kem Lobby. Nittany Valley Flute Trio.  
 School of Music, 2:30 p.m., Recital Hall. The Paramount Brass, a lecture and recital.  
 ■ Geography, 3:30 p.m., 319 Walker Bldg. Brent Yarnal on "Decolocalization of Agriculture in Bulgaria."  
 Center for the Performing Arts, 8 p.m., Eisenhower Aud. Pittsburgh Ballet Theatre presents "The Mighty Casey." Tickets required.  
 School of Music, 8 p.m., Recital Hall. Barry Kroeber, oboe.  
**Saturday, Feb. 27**  
 Office of Minority Faculty Development, 9 a.m.-noon, 114 Graduate Bldg. Blainie Bowen on "Promotion and Tenure Roundtable."  
 Shaver's Creek, 1:30-4 p.m. Beading Outlook. Call 863-2000.  
 School of Music, 2 p.m., Recital Hall. Paramount Brass, guest artists.  
 Center for the Performing Arts, 7 p.m., Schwab Aud. James Lyon on "Artistic Viewpoints."  
 Center for the Performing Arts, 8 p.m., Schwab Aud. The Beaux Arts Trio, tickets required.  
 Viennese Ball, 8-11 p.m., HUB Ballroom. Presented by The Penn State Orchestra. Tickets required, call 863-0696.  
 School of Music, 8 p.m., HUB Ballroom. Penn State Philharmonic Ball. For tickets call 863-0696.  
**Sunday, Feb. 28**  
 School of Music, 1:30 p.m., Recital Hall. Organ Solo Recital.  
**Monday, March 1**  
 ■ Comparative Literature, 12:15 p.m., 101 Kem Bldg. Steve Belcher on "Constructed Heroes: Samba Gueladio and the Fulbe Tradition in West Africa."  
 Accounting, 3:30-5:30 p.m., 333 Beam BAB. Alex Thevarajan on "Effort Allocation and

Executive Compensation."  
 School of Music, 8 p.m., Recital Hall. Burt Fanner on "Electronic Music for Everyone."  
**Tuesday, March 2**  
 School of Communications, 11:45 a.m.-1 p.m., 101 Carnegie. Beth Barnes on "How Audience Measurement Affects Media Specialization."  
 ■ International Programs, 3-5 p.m., E-101 Henderson Bldg. Specialists on Vietnam - Family and Conditions of Women in Society."  
 Town-Gown Forum, 7-9 p.m., Nittany Lion Inn. Arthur Dunning exploring partnerships among business, government and the University.  
 Central Pennsylvania Society of AIA, 5:30-7:30 p.m. Annual Banquet. Call Wilma Stem at 865-1506 for reservations.  
 ■ Central Pennsylvania Society of AIA, 7:45 p.m., Nittany Lion Inn. Baruch Halpern on "Israelite Laboratories in the Seventh and Sixth Centuries B.C."  
 ■ Art History, 8 p.m., 112 Walker Bldg. Jeanne Chenuat Porter on "The Prophetic Dozen: Ribera's Old Testament Figures at the Coseta di San Martino in Naples."  
**Wednesday, March 3**  
 Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. William Kelly on "Artistic Viewpoints."  
 Center for the Performing Arts, 8 p.m., Eisenhower Aud. The Philip Glass Ensemble will perform "Powaqqatsi Live!" Tickets required.  
 School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble. Smith Toulson, conductor.  
**Thursday, March 4**  
 Borree Lecture, 8:45-9:45 a.m., 111 Henning Bldg. James A. Bond on "The Mechanistic Basis for 1,3-Butadiene Carcinogenicity: Implications for Human Health Risks."  
**Saturday, March 6**  
 Shaver's Creek, 7-8:30 p.m. Moonlit hayride. Call 863-2000.  
**PUBLIC RADIO**  
**WPSU-FM 91.1**  
 "All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.  
 "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinfeld. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.  
**CONFERENCES**  
**Feb. 15-March 5**  
 Engineer-Scientists as Manager, 30 attendees, Nittany Lion Inn. Thursday, Feb. 25  
 Leadership Training Program, 50 attendees, Nittany Lion Inn. Chairs, B. Hartman and E. Loop.  
**Friday, Feb. 26**  
 Feminism: The Third Wave, graduate student conference, Sparks and Willard Bldgs. Through Feb. 28.  
 Pennsylvania Association for Supervisors, 50 attendees, Nittany Lion Inn. Contact James Pundum, 231-7500.  
**Monday, March 3**  
 ■ Comparative Literature, 12:15 p.m., 101 Kem Bldg. Steve Belcher on "Constructed Heroes: Samba Gueladio and the Fulbe Tradition in West Africa."  
 Thursday, March 4  
 State System of Higher Education, 100 attendees, Nittany Lion Inn, through March 6.

**SEMINARS**  
**Thursday, Feb. 25**  
 Adult Education, noon, 206 Charlotte Bldg. Graduate Student Research Roundtable. Biology, 4 p.m., 8 Mueller. Zhi-Chun Lai on "Negative Control of Photoreceptor Development in Drosophila."  
 Gerontology, 4-5 p.m., 106 Mitchell Bldg. K. Danner Clouser on "The Elderly and Some Moral Concerns."  
 Computer Science, 4 p.m., 325 Whitmore. Amy Fely, AT&T Bell Laboratories, on "Proving Properties of Programs Expressed in Higher-Order Syntax."  
**Friday, Feb. 26**  
 Center for Research in Conflict and Negotiation, 10:30 a.m., 115 Beam. Keith Murnighan on "Bargaining on Ullimatum Bargaining."  
 ■ School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Kim Steiner on "The Fate of Oak Reproduction in Pennsylvania and France."  
**Monday, March 1**  
 Agricultural and Biological Engineering, 12:20-1 p.m., 239 Agricultural Engineering Bldg. Wade W. Chamberlain on "Remotely Controlled Tractor for Safety Research and Education," and Myron S. Worley on "Modeling Contaminant Concentrations from Ceiling Intake Ventilation Systems."  
 Geosciences, 3:30-3:55 p.m., 341 Delco. Tony Lasaga on "Rates of Water-Rock Interactions: Field Observations, Lab Data, and Theoretical Interpretation."  
**Tuesday, March 2**  
 Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center. Roland Heck on "Energy in the Next Century."  
 Materials Science, 4 p.m., 26 Mineral Science. Hugh Brooks on "The Anodic Oxidation of Ferrous Metals in Alkaline Cyclic Solutions: Chronoamperometric and SEM Studies."  
 Operations Research, 4:15 p.m., 210 Hammond Bldg. Steven E. Butt on Faculty Location in the Presence of Forbidden Regions."  
**Thursday, March 4**  
 Adult Education, noon, 206 Charlotte Bldg. Donald Gogniat on "Boundary Spanners from a Cross Cultural Perspective."  
 (DP Seminar, 3:30-5 p.m., 118 ASI Bldg. Robert G. Melton on "Socializing Students to Work in Groups Using Peer Evaluation."  
 Computer Science, 4 p.m., 325 Whitmore Lab. Alexander Banikov on "Computing the Ehrhart Polynomial of Convex Lattice Polytope."  
 Computer Science, 4 p.m., 317 Mueller Lab. Steven Henkoff on "Amino Acid Substitution Matrices for Homology Searching."  
**Friday, March 5**

## SPECIAL EVENT

### Town-Gown Forum



Dr. Arthur Dunning

Art Dunning, executive director of the Georgia Partnership for Excellence in Education and former vice chancellor for services for the University System of Georgia, will be the featured speaker at the Town-Gown Forum in the first floor ballroom at the Nittany Lion Inn on Tuesday, March 2, beginning at 7 p.m.  
 Dr. Dunning coordinated public service and continuing education programs and was active in economic development and international affairs for the Georgia System. He received B.A., M.A. and Ph.D. degrees from the University of Alabama and studied at Vanderbilt University as well.  
 Faculty and staff are invited to join other community members and leaders in a panel discussion to further town-gown relationships.  
 While campus parking lots east of Atherton require permits, participants may park free in Red A on the west side of Atherton. A limited amount of parking will also be available next to Keller Conference Center for \$2, an attendant will be on duty.

Center for Research in Conflict and Negotiation, 10:30 a.m., 115 Beam. Anuridh Dhebar on "Durable-Goods Monopolists, Rational Consumers, and Improving Products."

### EXHIBITS

**Chambers Gallery:** Paintings and ceramics by undergraduate students, through Feb. 26.  
**Pattee Library**  
**East Corridor Gallery:** Collage exhibit by Brian C. Mahony, through March 15.  
**Ree Books Room:** "City on the Edge of Time," The World's Columbian Exposition, Chicago, 1893, through March 19.  
**West Lobby Gallery:** "The Sound of Light," photographs of concerts by the Cure, Living Colour, Queensryche, and Others, by Kyle Burkhardt, through March 31.  
**Zoller Gallery:** "Photo National," national journal exhibition of contemporary photographs, through Feb. 28.

### TIPS

**Information Penn State**  
 Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—434.  
 ■ Reflects an international perspective

## GM gives \$500,000 test facility to College of Engineering

As part of a project designed to improve transmission efficiency and vehicle fuel economy, General Motors Corp. Advanced Products Engineering Division has given a torque converter test facility valued at \$500,000 to the Turbomachinery Laboratory in the College of Engineering.

In addition, GM has committed \$265,000 to a related research project, directed by B. Lakshminarayana, Evan Fugh professor of aerospace engineering and director of the Turbomachinery Lab. The project will study three-dimensional steady and unsteady, viscous flow fields in automotive torque converters using high-response miniature probes and the laser doppler velocimeter.

"Engineers at GM and Penn State will develop data and computational codes to improve torque converter efficiency and, ultimately, vehicle economy," Dr. Lakshminarayana said. "The torque converter plays a key role in fuel economy and has one of the most complex flow fields ever encountered. Our lab's experience in aircraft turbomachinery is a valuable resource in understanding such flow fields."

The torque facility was developed and built at General Motors by Robert B. GM project manager for Torque Converter Technology, while a Ph.D. student at Penn State. He worked under Dr. Lakshminarayana's direction.

## Foreign language instruction receives boost from IBM

An innovative approach to foreign language instruction is being developed at the College of Liberal Arts which, thanks to a gift of \$375,000 by IBM, may dramatically change the way undergraduate students learn foreign languages.

"Unlike the days when languages were taught with the old audiolingual 'drill and kill' method, we're using interactive multimedia to engage students in exciting and meaningful experiences," said Mary Ann Lyman-Hager, assistant professor of French.

She is director of Language 3 (L3), a multi-department initiative that is developing innovative technology to improve the University's undergraduate programs in French, Spanish, German and Japanese. The initiative's name reflects the fact that language students typically decide whether to continue a serious study of a language while in their third semester at the University.

"Through IBM's generosity, undergraduate education at Penn State has been given a tremendous boost," said Susan Welch, dean of the college. "We estimate that as many as a thousand students each semester will participate in this innovative learning experience."

Educators have found that students who work in an interactive classroom speak a foreign language 10 times more than those in more traditional classrooms. In the process, they acquire more oral, literary and visual skills, and gain a heightened appreciation of the cultural context of a language.

The hardware used in the L3 project includes more than 70 state-of-the-art IBM computers and workstations, some with built-in CD-ROM players. Foreign cultures come alive as students use interactive video software — some of which

**"Unlike the days when languages were taught with the old audiolingual 'drill and kill' method, we're using interactive multimedia."**

Mary Ann Lyman-Hager  
assistant professor of French

is written in-house — to absorb the language.

In one lesson now being evaluated, students watch a videodisc recording of a performance by a popular French lyricist and singer, and can see the text of the lyrics as the singer sings. Then, working together in small groups, they create a collaboratively composed paper in French. The word processing program they use — which is itself a test version — offers the student access to a thesaurus, a dictionary, a phrase book and even help with verb conjugation.

The combination of videodisc software and computers gives students such powerful control over the material that they can even freeze the singer's image to study how he forms a certain vowel. Similar approaches will be used in teaching Spanish, German and Japanese.

"Multimedia is a stimulating environment for the students, and makes classroom walls seem to disappear," Dr. Lyman-Hager said. "Each of us has an easier time remembering things that we can care about, and interactive multimedia is an effective way to persuade students to really become involved in the material."

## New scholarship endowed in the College of Engineering

Frank I. and Iris L. Pethick Jr. of Sun City, Ariz., have committed \$43,000 to endow a scholarship in Penn State's College of Engineering. The Frank I. and Iris L. Pethick Scholarship in Engineering will recognize outstanding students.

"I'm grateful to Penn State," said Frank Pethick, a 1928 Penn State electrical engineering graduate. "I was a farm boy coming from a poor farm in northwestern Pennsylvania who worked my way through school. I wanted to give something to Penn State in appreciation for

*Alumnus wanted to give something to Penn State in appreciation for what his education has done for him*

what my education has done for me."

He retired as a general rate engineer from the New York Telephone Co. in 1972 after more than 43 years. During his career, he worked in commercial engi-

neering, marketing, sales and rate and regulatory work.

Mr. Pethick was commissioned in the Army Reserves following graduation and during World War II served on the European front, eventually commanding an engineering combat group as a colonel. Upon his return to New York, he took an assignment in the U.S. Army Reserves commanding an engineer brigade and retired as a brigadier general.

## Libraries campaign, budget and review of Senate top agenda

The University Faculty Senate is urging faculty and staff members to support the Campaign for the Libraries.

At its Feb. 16 meeting, the Senate passed a resolution calling for support of the campaign through active participation in the "Faculty/Staff Million Dollar Challenge."

The challenge was outlined earlier by Head Football Coach Joe Paterno, chair of the Campaign for the Libraries. He explained that if faculty and staff generate \$2 million in gifts and pledges to any area of the University—between July 1, 1992, and June 30, 1993—an alumnus will provide \$1 million in support of the Campaign for the Libraries.

The resolution, passed and recommended by the Senate Council, states:

"Resolved, the University Faculty Senate urges the faculty and staff of The Pennsylvania State University to support the Campaign for the Libraries through active participation in the Faculty and Staff Million Dollar Challenge."

In other business, President Thomas discussed Governor Robert P. Casey's proposed 1993-94 state budget.



"In my view, the news is encouraging for the University, although I'm not totally gleeful," he said. "There are new dollars in the budget. Although they don't fully meet our needs, it is a welcome contrast to last year."

Dr. Thomas said the new dollars come in the form of a tuition challenge program that would pay universities about \$200 per full-time, in-state undergraduate student, providing the institutions keep tuition increases to the projected annual inflation rate.

"We share the governor's concern about tuition and want to get it as low as possible," he said.

Dr. Thomas told the Senators that the University administration will continue to work diligently to maximize funding from the state.

"At the same time," he said, "we will continue the process of focusing more finely on the mission and vision of the University. When the two come together, Penn State will be able to move with the kind of confidence and direction appropriate for this University."

The Senate also:

—Approved a recommendation from the Academic and Athletic Standards Committee modifying Policy 82-20, General Requirements—Graduation Requirements.

—Heard an informational report from the Libraries Committee on the serials dilemma.

—Discussed a report from the Special Committee to Review the University Faculty Senate. A vote is to be taken on the final report and revised constitution, by-laws, and standing rules at the March 4 meeting.



# FOCUS ON Research

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## Midwest pollution journeys across U.S.

**P**ollution from cities in the Midwest is making its way across the United States and injuring forests in Pennsylvania, Virginia and as far south as Tennessee, according to University researchers.

These findings could have an impact on future regulatory decisions involving air quality and emissions standards.

Ozone-induced injury to mature hardwood species in the Shenandoah National Park in Virginia was recently detected by a team of Penn State researchers as part of a nationwide project sponsored by the National Park Service.

"Air pollution is one of the most significant problems confronting plants today, and injury from man-made ozone is seriously hindering the ability of some trees to be productive," said Dr. John Skelly, professor of

*Dr. Skelly's research team  
scaled 270 trees in  
Shenandoah National Park,  
some reaching as high as  
110-feet, to view ozone  
injury to leaves.*

plant pathology. "We're continuing to see long-distance transport of photochemical smog."

While many scientists are struggling to stop the deterioration of the upper ozone layer, these researchers are investigating the injury caused by man-made ozone filtering in from urban sites. The pollutant can cause leaf loss and a drop in plant productivity.

The National Park Service funded ozone investigations at three different sites on the East Coast including Shenandoah, Great Smoky Mountains in Tennessee and Acadia National Park in Maine. Research in the Smoky Mountains and Acadia is being conducted by Auburn University and the University of New Hampshire respectively.

Past research on the West Coast documents the harmful effects of ozone on conifers in Yosemite and Sequoia National Parks. Studies there revealed that these gaseous pollutants caused extensive injury to plant life.

Although ozone, a form of oxygen that helps filter out potentially harmful ultraviolet rays, is desirable and beneficial in the upper atmosphere of the Earth, it is considered air pollution in the lower reaches. The protective ozone found in the stratosphere—about 25 miles above the Earth—is naturally occurring and is the center of much scientific debate over its possible depletion.

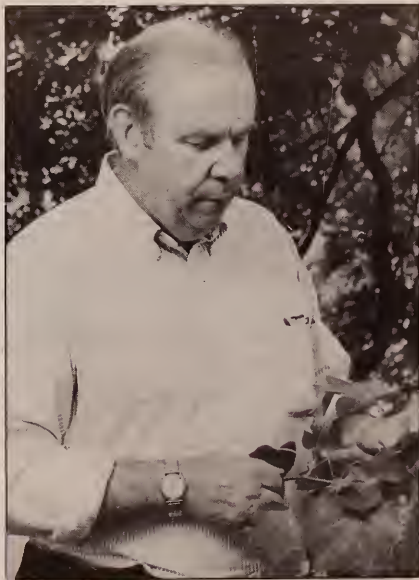
However, ozone found in the troposphere closer to the Earth's surface, is a major agent in the formation of smog. Most of the harmful ozone observed today is the result of automobile exhaust, according to Dr. Skelly.

Dr. Skelly's research team climbed 270 trees, some reaching 110 feet tall, to view

the foliar injury ozone has caused to white ash, yellow poplar, sassafras, and black cherry species in the Virginia park. Man-made ozone is known to produce symptoms of foliar injury on lower vegetation and seedlings, but the full extent of injuries to mature trees has not yet been fully investigated.



Elisabeth Hildebrand compares leaf injury.



John Skelly investigates ozone damage.

Photos: Greg Grieco

One unusual occurrence that Dr. Skelly could not explain was the extensive injury on the interior leaves of some trees, while other species appeared to sustain more ozone-induced damage on their outside leaves. The researcher said recent years have been marked by consistently moderate to occasionally high concentrations of man-made ozone in the atmosphere.

John Karish, chief scientist for the Mid-Atlantic Region of the NPS, said officials did not know what to anticipate before scientists began climbing the trees. This is the first time the upper canopies of trees have been inspected for ozone-induced damage.

"It's happening, and I'd say this year's data shows occurrence of symptoms at a fairly high frequency," said Elisabeth Hildebrand, a graduate student and member of the research team. "Although this is only preliminary data, the severity of the ozone-induced injury on some species of trees is notable and of future concern."

Ozone injury on leaves can be easily seen with the naked eye. Small, purplish-red stipules appear on the leaf surface when they are exposed to even moderate concentrations of the pollutant for long periods of time. Ozone enters the leaf through the stomates, or pores, and damages the cells in the leaf surface. Only the top side of the leaf displays symptoms, distinguishing ozone-induced damage from other types of foliar diseases and injuries.

Dr. Skelly explained that different species of trees appear to be affected by ozone in varying degrees. While leaves on the black cherry trees are nearly covered with purple specks, the foliage of the white ash only gives a hint of a problem.

"With ozone damage we see immediate and cumulative symptoms," he said. "Ozone-induced injuries can make a tree more susceptible to other problems and it definitely causes a drop in tree productivity. How much exposure to ozone is actually curbing productivity is something that needs further research. This study actually opens up more questions than it answers."

The plant pathologist said evidence from this project will have to be compared against data from other studies in order to determine the exact effects of ozone on tree growth, productivity and longevity. The data will also be used to compare the severity of ozone-induced symptoms between the lower canopies of trees and the upper canopies.

—Lisa M. Rosellini

# Rural, aging projects funding on target

The Center on Aging and Health in Rural America (CAHRA) has announced the funding of three new pilot projects, and the continuation of funding for three projects begun last year.

Dennis Shea, assistant professor of health policy and administration, will be examining the provision of mental health services in long-term care facilities in a project titled "The Provision of Mental Health Services in Pennsylvania Long-Term Care Facilities."

Kevin Leicht, assistant professor of sociology and Diane McLaughlin, deputy director of CAHRA, will begin a new two-year project titled "The Effects of Health Care Services for the Elderly on Business Failures and Occupational Structure in Rural Counties."

The third new project funded by CAHRA, is being conducted at The Milton S. Eisenhower Medical Center by Robert L. Jones, associate professor of family and community medicine, A. Russell Localio, research associate in the Division of Biostatistics and Epidemiology, Ruth A. Henderson, associate professor of family and community medicine, Colin P. Kerr, assistant professor of family and community medicine, and D. Mark Potter. The project, titled "Academic Medicine Center Based Intervention for Rural Diabetes" will examine the treatment regimens for rural diabetes and the dissemination of information regarding new treatment protocols.

Projects that continue from last year include:

— "Food Choice: Knowledge, Cognitions, and Behavior of Female Older Adults in Rural America" conducted by Alexander von Eye, professor of human development and psychology; Cheryl Acherberg, associate professor of nutrition; Helen Smith-Cas-Wright, professor of nutrition, and Gordon Jensen, Department of Gastroenterology and Nutrition, Geisinger Medical Center.

— "Rural and Urban Differences in Physical and Mental Comorbidity Among Older Adults" is the second continuing project and is being completed by Jacqueline Love Angel, formerly a postdoctoral trainee in the Population Research Institute; Mary L. Fennell, professor of sociology, and Steven H. Zarit, professor of human development.

— The third continuing project involves a joint research team from University Park and the Hershey Medical Center working on "The Impact of Primary Health Care Promotion Stimulating Positive Changes in Attitude Toward Preventive Care, Health-related Behavior, and Perceived Functional Health in Rural Geriatric Population." The research team includes Ruth Henderson, associate professor of family and community medicine; Dennis Gingrich, assistant professor of family and community medicine, and Dr. Zarit.

The purpose of CAHRA is to facilitate the development of large-scale research proposals on issues related to the effective health and functioning of older rural Americans. With the three new projects added this year, CAHRA will have funded 13 pilot projects.

Dennis P. Hogan, professor of sociology is director of CAHRA, which is housed within the Population Research Institute in the Intercollegiate Research Program. Questions about CAHRA should be directed to Dr. McLaughlin at 863-1933. Questions regarding individual pilot research projects should be referred to the research investigators.



Sen. Harris Wofford, center, recently hosted a conference on health care reform at Penn State Harrisburg. Special guests were First Lady Hillary Rodham Clinton, left, and Tipper Gore, right. More than 250 people attended the conference to discuss such issues as access to health care, cost control, and the government's role. The day-long session was covered by approximately 160 representatives from local, state and national media.

## PENN STATERS

Eric J. Barron, professor of geosciences and director of the Earth System Science Center, has been named a Fellow of the American Geophysical Union.

Robert Bresler, head of the Division of Public Affairs at Penn State Harrisburg, is a regular panelist on "The People's Business," a weekly, statewide public affairs program on public television in Pennsylvania. It is aired on all PBS stations in Pennsylvania each Saturday or Sunday.

Z.T. Bieniawski, professor of mineral engineering, has received a grant of \$153,000 from the Commonwealth of Kentucky to investigate long-term applications of safety factors for the Bieniawski Pillar Strength Method.

Subhash Chander, professor of mineral processing, and Ronghua Zhou, will receive the Society for Mining, Metallurgy and Exploration, Inc. 1992 Taggart Award for their paper, "Effect of Organic Additives on Acid Generation from Pyrite Wastes."

Iam-Choon Khoo, professor of electrical engineering, gave an invited paper titled "Liquid Crystalline Materials for Laser and Optical Applications" in Jakarta, Indonesia, at the second International Conference on Frontiers of Polymers and Advanced Materials.

Robert Ginsberg, professor of philosophy at the Penn State Delaware County Campus, has received the Honorable Mention Phoenix Award for Significant Editorial Achievement from the Council of Editors of Learned Journals for his work as executive editor of *The Journal of Value Inquiry* (Kluwer Academic Publishers).

Robert E. Newnham, Alcoa professor of solid state science, completed a lecture tour sponsored by the Ministry of Trade and Industry of Japan. His topic was the development of composite electroceramic sensors and actuators.

Paul Welliver, professor emeritus of education, delivered the opening address at a conference in Lampang, Thailand, celebrating the one-hundredth anniversary of teacher education in Thailand. While there, he made presentations to faculty and graduate students at Chiang Mai University.

Steven H. Zarit, professor of human development, spoke on "The Study of the Oldest Old: Problems and Prospects" at a research seminar sponsored by the Swedish Council for Social Research at the Health College in Jonkoping, Sweden. He also spoke on "Current Issues in Research on Family Caregiving" at the Gerontology Center at the University of Lund.

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February 25, 1993  
Vol. 22, No. 22

## PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

March 4, 1993

Volume 22, Number 23

## Senior finance vice president announces plans to retire

Steve A. Garban, senior vice president for finance and operations/treasurer, has announced his intention to retire, effective Dec. 31. Mr. Garban, 55, has served Penn State for 32 years, since he accepted the position of assistant business manager of athletics in 1961.

"This has not been an easy decision," he said. "My wife, Penny, and I have thought about it long and hard and we've decided that the time is right for us to take our life in a new direction.

"We have loved our association with Penn State and feel indebted to the institution for the opportunity we've had to contribute to its advancement. At the same time, we've planned to take time for other things and we feel this is that time."

President Thomas said Mr. Garban's upcoming retirement will be a major loss for the University and for him personally.

"Steve Garban is a major positive force in the advancement of Penn State and has been a builder for this University since he was an undergraduate student here in the 1950s," Dr. Thomas said. "He has devoted his entire professional life to Penn State, and Penn State is a better place for it."

Among Mr. Garban's major accomplishments, Dr. Thomas noted his role in the development of The Milton S. Hershey Medical Center since the early 1970s, his involvement in an intercollegiate athletics program that is a national model and his oversight of the largest capital building program in Penn State's history.

"All this, of course, is in addition to Mr. Garban's responsibilities as chief financial officer of a university with a \$1.5 billion budget," Dr. Thomas said. "I have never worked with a finer vice president for finance in my career, and will always be grateful to Mr. Garban for the contributions he made and the assistance he offered in my first two-and-a-half years at Penn State."

Asked to reflect on his years at the University, Mr. Garban said he felt a keen sense of satisfaction about his career at Penn State.

During his tenure, the University's budget grew from \$175 million to \$1.5 billion.

"I've signed 22 years of financial reports with balanced budgets," he said. "There is a good sense by the banking and financial community about the financial strength of this institution and I'm very comforted by that."

Reflecting on his role as the administrator responsible for Penn State's intercollegiate athletics program, Mr. Garban said he took pride in his association with that program "since the outset."

"I feel best about our entry into the Big Ten," he said, noting that it was a very important event for the University both athletically and academically. "This dovetails nicely with the development of the Bryce Jordan Center, currently under construction.

"The Center couldn't be more important," he added, predicting that its completion in 1995 will bring many new opportunities to Penn State. "Likewise, in the area of physical plant, the research park and the movement in that area will mean important benefits to the University and the community."

What about the disappointments?

"There aren't many of those," he said. "But, if I had to identify one, it would be the underfunding that has burdened Penn State for so long. The issue still exists. We need to correct this to allow the University to move closer toward being one of the great public universities of America."

He echoed the words of the newly elected chairman of the Board of Trustees, William A. Schreyer, chairman of the board of Merrill-Lynch: "I agree with Bill Schreyer. I feel the best days for Penn State are still ahead."



Steve A. Garban



Architectural highlights in the lobby of the new Palmer Museum of Art include soaring columns leading the visitor's eye to insets outlined in neoclassical. The new museum, designed by post modern architect Charles Moore, will reopen in August 1993.

Photo: Greg Grieco

## Alumni interest group with African/Black Americans formed

The Penn State Alumni Association has formed an alumni interest group with African/Black American alumni living in major cities around the country and is planning a Black alumni conference next year to enhance networks between alumni and students.

The primary focus of the African-American interest group is to assist the University in developing ways to provide for the successful recruiting, retention, mentoring and job placement of Penn State African-American students.

In addition, the alumni interest group could provide opportunities to establish fund-raising projects to benefit Penn State Black-American students and to encourage Black-American alumni to aggressively support University fund.

"The Penn State Alumni Association is proud to be more involved with programs to help enhance the experiences of our African-American students and alumni," Peter B. Weller, assistant vice president and execu-

*The primary focus of the interest group is to assist the University in developing ways to provide for the successful recruiting, retention, mentoring and job placement of African/Black American students.*

tive director of the Penn State Alumni Association, said.

The African-American Alumni Interest

See "Group" on Page 4

DIVERSITY

### BLACK HISTORY MONTH — A retrospective



The month of February, designated as Black History Month, was packed with events celebrating the African/Black American heritage. All University locations joined in marking this historic month with exhibitions, lectures, and presentations by some well-known authors, actors and educators.



Maulana Karenga, (left) California State University at Long Beach director of Black Studies and founder of African/Black American holiday Kwanzaa, made the keynote presentation for the Third Annual Malcolm X Lecture. The lecture was part of a two-day observance of the 28th anniversary of the assassination of El-Haji Malik El-Shabazz, more commonly known as Malcolm X. He was fatally shot on Feb. 21, 1965.

Photos: Greg Grieco



Lawrence W. Young Jr., Paul Robeson Cultural Center director, explains as students admire the traveling Smithsonian photo exhibition "Songs of My People," a visual exploration of Black life in America, on display in the Paul Robeson Cultural Center through March 21.



Filmmaker Spike Lee answers questions from the media at a press conference held before he spoke to a 2,500-plus audience in Eisenhower Auditorium Feb. 22 at University Park. Mr. Lee's appearance was sponsored by Colloquy.

## Bookstore helps recognize National Women's History Month

March is recognized as National Women's History Month, and the Penn State Bookstore on Campus is acknowledging this designation with a display of over 300 books written by and about women, and the issues facing society today in regard to the Women's Movement.

In honor of the "51% minority," the Penn State Bookstore on Campus has assembled a large collection of books, from novels to social commentary, the

politics of race and gender, "eco-feminism," the arts, poetry, psychology, philosophy, science, books for children, and other topics relating to Women's Studies. The books will be on display and available throughout the month of March and are generally available year-round at the Penn State Bookstore on Campus.

Among the books on display are several collections of women's writing. Included are *The Bloomsbury Guide to*

*Women's Literature*, edited by Claire Buck; *Double Stitch: Black Women Write about Mothers and Daughters*, edited by Patricia Bell-Scott; *We Are the Stories We Tell*, edited by Wendy Martin, and a collection of biographies of twenty-five important women called *Written by Herself*, edited by Jill Ker Conway. Biographies, such as the new *Marlene Dietrich* by Maria Riva and *Eleanor Roosevelt* by Blanche Weisen Cook, also share the stage.

Bestsellers also are on display. *Fried Green Tomatoes at the Whistle Stop Cafe* by Fannie Flagg, *The Kitchen God's Wife* by Amy Tan, *The Tale of the Body Thief* by Anne Rice, *Saint Maybe* by Anne Tyler, and *When You Look Like Your Passport Photo, It's Time to Go Home* by Erna Bombbeck are just a few of the wide selection of best selling fiction on the display.

UNIVERSITY

## Six visiting scholars at University for spring semester

Penn State's International Cooperative Programs has announced a list of spring visiting scholars. They are:

—Jean-Francois Gallardo of France, who will be with the Department of Aerospace Engineering for 16 months. His home institution is the Societe Europeenne de Propulsion, where he is an engineer. At Penn State, he will be working on the computation of cryogenic flowfields for space turbopumps. He is sponsored by his home institution.

—Igor Korobetski of Russia, who will be with the Department of Fuel Science for three months. He is currently working from Russia in collaboration with Penn State. His home institution is Kuzbass Coal Certification Center, Kemerovo, where he serves as director. His project is the understanding of coal's molecular structure, and his sponsor is the Midwest Universities Consortium for International Activities.

—Vadim Polezhaev of Russia, who will be with the Department of Aerospace Engineering for 10 weeks. He comes from the Institute for Problems in Mechanics, part of the Russian Academy of Sciences, Moscow, where he is head of the Laboratory for Mathematical Modeling of Hydrodynamic Problems. His project involves microgravity and fluid mechanics and materials processing. His sponsors are the U.S.

Department of Commerce, Penn State's Office of International Programs, the College of Engineering, Department of Aerospace Engineering and Computational Fluid Dynamics Studies.

—Jose Rios of Spain, who will be with the Department of Industrial and Management Systems Engineering for one year. His home institution is Polytechnic University of Madrid, where he is a lecturer. His project involves computer-aided design and manufacturing, and his home institution sponsors his.

—Simon Temkin of Russia, who will be with the Chemistry Department for one year. His home institution is the Institute of Chemical Genetics and Combustion at the Siberian branch of the Russian Academy of Sciences, Novosibirsk, where he is senior research associate in the Laboratory of Theoretical Chemistry. He is working on the molecular dynamic simulation of simple liquids and his sponsor is William A. Steele.

—Boris Veytsman of the Ukraine, who will be with the Department of Polymer Science for one year. His home institution is Bogatsky Physics-Chemical Institute, Odessa, where he is a researcher. His project is the mixing of hydrogen-bonded polymers and his sponsor is the National Science Foundation.

## Women in Sciences to host networking conference April 3

Challenges and Achievements III: A Networking Conference for Women in the Sciences and Engineering at Penn State, will take place Saturday, April 3, at University Park.

This year's conference has expanded from the arena of engineering to include all disciplines of science, engineering and technology.

Discussion groups will cover "Tools and Tips for Survival and

Achievement" and "Balancing a Career/Education and Personal Life." A panel discussion will focus around "Telling our Stories" and caucuses for women of color, lesbian/bisexual, and returning adult student interests will be held.

Anyone planning to attend this conference must pre-register before March 19. Registration forms may be obtained, from 101 Hammond

Building at University Park or your CEO's office at the Commonwealth Campuses.

The conference is made possible by a grant from the Corning Foundation and is sponsored by the College of Engineering, College of Agricultural Sciences, College of Earth and Mineral Sciences, and the Eberly College of Science.

### DIVERSITY OPPORTUNITIES

#### CALENDAR

##### Thursday, March 6

American Association of University Women, 7:30 p.m., State College Women's Club, 812 S. Allen Street. Presentation titled, "A Worldwide Epidemic Comes Home: the AIDS Project of Centre County," by Sally Maud Robertson, AIDS Project of Centre County co-director.

##### Tuesday, March 16

Center for Women Students, 7 to 9 p.m., 113 Carnegie Building, Women's History Month film/discussion presentation titled, "Shoulder to Shoulder."

##### Saturday, March 20

Office of Minority Faculty Development, 9 a.m. to noon, 114 Kern Graduate Building. "The Publishing Process Roundtable" is the fourth in a series of faculty development workshops. Attendance is limited to those who have participated in a previous publishing process workshop. Herold Cheatham, Department of Counselor Education, Counseling Psychology and Rehabilitation Services Education head and professor of education, will be the speaker. To make reservations, contact Leah Witzig at 863-1663.

##### Through March 21

Paul Robeson Cultural Center, daily. Traveling Smithsonian photo exhibition titled "Songs of My People," is a visual exploration of Black life in America.

### FACULTY / STAFF ALERTS

**Courses for faculty and staff** The Human Resource Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

**THE POWER OF VISION** - Participants will learn how a powerful, positive vision of the future can empower individuals and organizations. March 5, 9-11:30 a.m., 319 Rider Bldg.; cost \$35.

**EVEN EAGLES NEED A PUSH** - This program will introduce you to the five qualities of confident, self-empowered people and push you to embrace them, by giving impetus to your progress. March 5, 1:30-4 p.m., 319 Rider Bldg.; cost \$35.

**CONFIDENCE BUILDING** - Will help you explore ways to enhance self-esteem. March 10, 9 a.m.-4 p.m., 319 Rider Bldg.; cost \$55.

**CONTINUOUS IMPROVEMENT THROUGH EMPowerMENT** - Understand changes as a core element of CQI. Topics include: identifying strategies for reducing resistance, and planning and preparing for cultural change. March 15, 9 a.m.-4 p.m., 319 Rider Bldg.; cost \$55.

**ESSENTIALS OF MANAGEMENT** - Teaches managers how to work together to deliver peak performance, gives

them a solid understanding of the core concepts underlying management action and teaches them professional management skills. March 16-April 2, 8:30 a.m.-noon, 319 Rider Bldg.; cost \$125.

**FILES MANAGEMENT** - Designed for staff members who want to improve office file systems and enhance their information management skills. March 17, 1:30-4:30 p.m., 319 Rider Bldg.; cost \$35.

**BENCHMARKING** - Participants will identify different sources for benchmark information, decide which functions to benchmark, and learn how to collect data. March 29, 8:30-11:45 a.m., 319 Rider Bldg.; cost none. Prerequisite of "Overview of CQI."

#### Diabetes Alert Day

An additional enlightening lunch program sponsored by the American Diabetes Association and the Office of Faculty/Staff Health Promotion will be held from noon to 1 p.m. March 23 in 110 Henderson Building at University Park. Persons interested in learning the current information on Type II diabetes and the services available through the ADA should call 865-3085 to register.

## Peace Studies Association to hold meeting March 11 - 14

The fifth annual meeting of the Peace Studies Association (PSA) will be held March 11 to March 14 at the Keller Conference Center at University Park.

The PSA is an organization of 120 college and university academic programs for the study of peace, conflict, justice and global security. Peace Studies challenges practitioners to foster relevant and current teaching, research and social action activities that further the discipline's mission to minimize violence and promote peace through social justice.

John A. Brighton, executive vice president and provost, will give the welcome and introductory address. Anthony A. Reardon, director of the Peace Education Program, Teacher's College, Columbia University, director/founder of the International Institute on Peace Education, and an internationally-known peace educator, writer, and lecturer, will be the plenary keynote speaker on Thursday evening, March 11.

Topics scheduled for discussion include economic conversion, ethnic nationalism, gender inequality, the environment, social justice, The New World Order, and peace education. Concurrent peace education workshops for preschool through secondary classes will be held all day Friday, March 12. Workshops include "Conflict Resolution," "Developing a School-based Mediation Program" and "Ourselves, Our Classrooms: Unlearning Oppression."

The Peace Studies Initiative at Penn State, which will host the event, is housed in the Science, Technology and Society Program. Sponsors of the meeting are the Applied Research Laboratory, The Baker Institute for Peace and Conflict Studies, Juniata College, Penn State's departments of Agricultural and Extension Education, Curriculum and Instruction, and Health Education, the Office of Religious Affairs, the Science, Technology and Society Program, the Office of International Cooperative Programs, and State College Friends Meeting.

Co-chairs for the event are Abigail Fuller, a doctoral student at the University of Colorado, Boulder, and Kenneth Brown, director of the Peace Studies Program at Manchester College. The Peace Studies Program is based in Boulder, Colo.

For more information, contact Jerri Milsom at the Keller Conference Center at 814-865-5141.

NEWS IN BRIEF

Adopt A Highway

Audio-Visual Services employees comprise the first staff group from the University Park Campus to participate in PennDot's Adopt A Highway Program. The unit's adopted portion is a two-mile stretch of PA 550 between the Kolln Vineyard and the Filmore Store.

Members of the group attended a safety orientation, cleaned litter from the roadside in October, and must conduct litter pickups four times each year. They will be traversing their adopted roadway again in April 1993 in conjunction with "Keep Pennsylvania Beautiful" month.

Spring break hours

There will be a change in Penn State Bookstore hours during the University's spring break week as follows: Sunday, March 7, noon to 4 p.m.; Monday, March 8, through Friday, March 12, 9 a.m. to 5:30 p.m.; Saturday, March 13, 9 a.m. to 5 p.m.

Normal hours of operation, including evening hours Monday-Thursday, will resume on Monday, March 15.

Libraries Award

Nominations are being sought for candidates for the 1993 University Libraries Award.

The award, consisting of a citation, a cash stipend, and a Nittany Lion Statuette, is given in recognition of the achievements or performance of any person holding an academic or staff appointment in the University Libraries who meets one or more of the following criteria: professional contribution which has a significant influence on the operations of the University community for the Libraries; significant professional contribution in the respect of the University community for the Libraries; significant contribution to the profession which reflects achievement in librarianship at Penn State; or outstanding service to the Libraries as shown by continuing leadership and innovation.

Any member of the University community may make a nomination. Nomination forms are available from the Libraries Administrative Office, E505 Pattee, or any Commonwealth Campus Library, and are due on or before, March 19.

Enhancement program

The Individual and Family Consultation Center will offer a couples enhancement program March 27-28 at University Park.

The program, called "Relationship Enhancement," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs, and opinion.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is \$125 for an individual and \$200 for a couple. For further information or to enroll, call the Individual and Family Consultation Center at (814) 865-1751.

Salvage auctions

Salvage and Surplus has announced it will hold its annual Bicycle Action on Friday, March 19, and its annual Spring Auction on Friday, April 23.

Departments wishing to send items to be included for sale at these times should call the Salvage Warehouse, 814-865-4371, to make arrangements for items to be picked up and transported to the warehouse.

Appreciation Night

The Lady Lion Gymnastics Faculty-Staff

Appreciation Night will be held at the Penn State, Butens and Temple Meet at 7:30 p.m. Saturday, March 14, in Recreation Building at University Park.

All University faculty and staff members with I.D. and one guest will be admitted free.

Enjoy a special night of Lady Lion Gymnastics in their final home appearance of the 1992-93 season.

Libraries seminar

The University Libraries is offering an Electronic English Resources Session as the fifth in a series of "hands-on" seminars to help users learn more about the growing number of electronic databases available through the Library Information Access System (LIAS).

Kim Fisher, humanities librarian, will present the seminar at 2 p.m. today and 7 p.m. Tuesday, March 16.

The University Libraries also is offering a training class which will help library users maximize their LIAS searching power and flexibility using new searching techniques.

To accommodate as many participants as possible, several sessions of the workshop will be offered at 2 p.m. March 18 or 25; 7 p.m. April 1, and 2 p.m. April 8 or 15. To register for this workshop or the English resources seminar, call Sandy Stauffer at (814) 865-0401.

Teaching seminars

Marie J. Secor, associate professor of English and alumni teaching fellow, and Larry D. Spence, associate professor of political science and alumni teaching fellow, will speak on "Writing and Critical Thinking in the Disciplines" at 3:30 p.m. Wednesday, March 17, in Room 118 ASL at University Park. Their presentation is part of the Instructional Development Program's spring 1993 working seminars on teaching.

PENNTAP gets gift

PENNTAP, the Pennsylvania Technical Assistance Program, has received a \$10,000 contribution from Bell of Pennsylvania.

"PENNTAP's scientific and technological support to clients across the Commonwealth plays a vital role in advancing economic development initiatives statewide," David Hendricks, director of community and economic development for Bell, said. "It is with great satisfaction that we can continue our financial support to PENNTAP."

Pattee complex meetings

Members of the University community are invited to attend a series of meetings focusing on the new Pattee Library complex.

The University Libraries is now in the planning phase of the expansion of Pattee Library that calls for the facility to be reconfigured as "libraries within the library." The current Life Sciences Library located in Pattee serves as a model for this reconfiguration.

All meetings will be held from 4-5 p.m. in Room C5, Pattee Library on the following dates: Arts and Humanities Library, March 15; Business Library, March 16; Education Library, March 18; Life Sciences Library, March 22; Social Sciences Library, March 23; Special Collections Library, March 24.

If you're unable to attend one of these scheduled sessions, you're welcome to send your comments to Ronald Dow, assistant dean and chair of the University's program committee for this building project (at E505 Pattee Library, or e-mail at RFD@PSULIAS) or to Salvatore Meringolo, assistant dean, Collections and Reference Services (at E505 Pattee Library, or e-mail at SVM@PSULIAS).

# Garban

## Continued from Page 1

he said. "The vast number of alumni, and the contributions our recent graduates will make to society and to their alma mater, will carry us to a new level."

But none of this is what is best about his days at Penn State. The best is not the victories or accomplishments of any particular moment, he said.

"The best is the people who work with you, the hundreds and hundreds of people who are dedicated, loyal and committed to Penn State. They keep doing their jobs every day. Seeing that and the associations with all of those people...it gives you good feelings," he said.

"It was a pleasure to work for four great presidents. They all brought their strengths to the institution. The University, today, is fortunate to be in the very capable hands of Jobb Thomas. His effort to rightsize the institution at this time will prove to be very important for the future of Penn State."

Mr. Garban graduated from Penn State in 1959 with a B.S. in business administration. He was captain of the football team, vice president of the Undergraduate Student Government, and a member of Lion's Paw and various honor societies.

Before becoming senior vice president in 1982, he served as vice president and controller; controller and staff assistant to the senior vice president for finance and operations; treasurer; controller; deputy controller; and coordinator of accounting. He is a member of the board of directors and treasurer of the Pennsylvania Research Corporation and The Corporation for Penn State. He is listed in "Who's Who in American Education" and "Who's Who in Finance and Industry."

Mr. Garban also is a past member of the board of the Centre Community Hospital and The Smearl College of Business Administration Alumni Association and past president of the Lion's Paw Alumni Association, the Penn State Quarterback Club, and the Park Forest Junior High Parent/Teachers' Association. He also serves as Penn State's primary representative to the National Association of College and University Business Officers.

# Group

## Continued from Page 1

Group organizational charter meeting was held last week in Washington D.C. African-American alumni currently are drafting by-laws, selecting board members and planning regional meetings with Black-American alumni around the country.

"One of the first major activities will be a Black Alumni conference to be held at University Park this fall to help enhance interaction between our African-American alumni and students," James B. Stewart, vice provost for educational equity, said.

"This was the result of a concern by a number of Black American alumni to set first-year goals at building stronger networks with Black students and to help find ways to make their freshman year a more pleasant experience," he added.

The conference would be the result of more than a year of planning and coordinating with Black alumni, the Penn State Alumni Association and others. W. Terrell Jones deputy vice provost for educational equity, said.

"I am encouraged by this development because it helps the University formalize stronger alumni and student relationships that may help enrich the college educations of our African American Penn State students as well as better positioning them for job placements after graduation," said Donald L. Campbell, an African-American Penn State alumna, chairman, president and CEO of Century Technologies Inc. of Silver Springs, Md., and a key organizer of the alumni interest group.



*"This was the result of a concern ... to set first-year goals at building stronger networks with Black students."*

James B. Stewart  
vice provost for  
educational equity

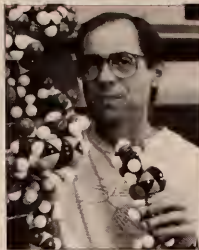
# LECTURE

Norman Pace, professor of biology at Indiana University, will present the 1993 Stone Memorial Lecture at 4 p.m. Monday, March 15, in 101 Allhouse Laboratory at University Park.

The lecture, "Of Ribosomes and Volcanoes: Molecular Microbial Ecology and Submarine Hydrothermal Vents," is sponsored by the Department of Molecular and Cell Biology and is free to the public.

Dr. Pace, a member of the Indiana faculty since 1984, has devised ways to use sophisticated laboratory techniques to analyze genetic material from microorganisms that live in cracks on the ocean floor. At these deep-sea hydrothermal vents, volcanic materials escaping from below the earth's crust support the growth of exotic microorganisms that are the base of entire ecosystems.

Dr. Pace has served on numerous advisory, editorial and review boards and has been an organizer for several scientific meetings, including the Gordon Conference on Nucleic Acids. He is a member of the National Academy of Sciences, and a Fellow of both the American



Norman Pace

Association for the Advancement of Science and the American Academy of Arts and Sciences.

The Stone Memorial Lecture honors Robert W. Stone, head of the Microbiology Department for 23 years, which in 1979 merged with the biophysics and biochemistry departments to form the present Department of Molecular and Cell Biology.

## PROMOTIONS

### Staff

Kate L. Anthony to research support technician II in Health and Human Development.

Nancy J. Bacci to clinical head nurse at Hershey Medical Center.

Kurt D. Behers to senior operator in Engineering Copy Center.

Mark M. Borkowski to research support technician II in Health and Human Development.

James B. Caldwell to equipment manager in Intercollegiate Athletics.

Helen Chambers to patient care assistant A at Hershey Medical Center.

Mary Ann A. Chavey to administrative assistant IV at Hershey Medical Center.

Kathleen A. Deitzler to patient care assistant A at Hershey Medical Center.

Elizabeth M. Del Valle to staff assistant IV at Great Valley.

Gail L. Eberly to staff assistant VI at Hershey Medical Center.

Linda J. Fuhrmann to data administration coordinator at Hershey Medical Center.

Jerri L. Gouba to respiratory therapy technician II at Hershey Medical Center.

Susan M. Grey to staff assistant IV in ARL.

Catherine S. Grigor to marketing communications account specialist in Continuing Education.

Kevin A. Haack to staff assistant V at Hershey Medical Center.

Joyce A. Harwell to library supervisor II in University Libraries.

Kerry M. Hoffman to pesticide education coordinator in Agriculture.

James F. Holdren to systems programmer in computer and information Systems-Computation Center.

William R. Klinger to supervisor activities therapy at Hershey Medical Center.

David A. Logan to escort service aide at the Hershey Medical Center.

David W. McCarty to production manager in Continuing Education.

Robert D. Murawski to senior engineering aide in ARL.

Wendy L. Neidig to senior instrument processing aide at Hershey Medical Center.

Tracy L. O'Rourke to staff assistant VI in Office of Physical Plant.

Melissa Ostroff-Dundrum to staff assistant V in Bookstore.

Hanna Petrykowska to research support technician II in Science.

Darlene A. Rey to staff assistant VI at Hershey Medical Center.

Renee M. Rock to respiratory therapy technician II at Hershey Medical Center.

Pamela A. Shiner to staff assistant VI at Hershey Medical Center.

Deanna D. Sibert to staff assistant V at Hershey Medical Center.

Audrey L. Smith to administrative assistant III in Research and Graduate School.

Sandra S. Wallish to financial analyst at Hershey Medical Center.

Elizabeth G. Warner to staff assistant VI in University Arts Services.

### Technical service

Lynn L. Helper to maintenance worker general B at Hershey Medical Center.

Randy W. Hoover to maintenance worker utility in Student Services.

Lucinda A. Leonard to patient nourishment assembler at Hershey Medical Center.

## Distinguished visiting professor of math and physics named

Roger Penrose, a world-renowned leader in the areas of astrophysics and mathematics, has been named the first Francis R. Pentz and Helen M. Pentz distinguished visiting professor of physics and mathematics.

Dr. Penrose, who currently holds the prestigious title of Rouse Ball professor of mathematics at Oxford University, England, will begin his initial three-year appointment in the Eberly College of Science later this summer.

While at Penn State, Dr. Penrose says he plans to work at the Center for Gravitational Physics and Geometry that Abhay Ashtekar, a leading theoretical physicist and the first holder of the Eberly Family Chair in Physics, will establish next fall.

Dr. Penrose has made major contributions in relativity, topology, the nature

of the universe and, in the process, has revealed many of the properties of black holes.

His research has led to more than 160 published research articles and five books, including the award-winning *The Emperor's New Mind: Concerning Computers, Minds, and the Laws of Physics*. Published in 1989 by Oxford University Press, the book details theories (including some of his own) of modern physics and intelligence and suggests that to understand the human mind, we must understand new laws of physics.

Throughout his career, Dr. Penrose has been honored with numerous awards, including the Adams Prize of Cambridge University, 1966; the Dannie Heineman Prize of the American Physical Society and the American Institute of Physics, 1971; the First Prize of the Gravity Research Foundation, 1975; the Royal Medal of the Royal Society, 1985; the Dirac Prize and Medal of the Institute of Physics, 1989; and the Einstein Prize and Medal of the Albert Einstein Society, 1990.

Currently distinguished visiting professor of physics and mathematics at Syracuse University, Dr. Penrose also is an Honorary Fellow at St. John's College, Cambridge, and a Fellow of Wadham College, Oxford.

A Fellow of the Royal Society, he also is president of the International Society for General Relativity and Gravitation, a member of the London Mathematical Society, and a council member of the Institute for Mathematics and its Applications.

He earned his bachelor's degree in mathematics at the University of London in 1952 and his doctoral degree at



Roger Penrose

of scientific thought, and quantum theory, among others. He has devoted much of his research to unraveling the mysteries surrounding the origin and destiny of

## PENN STARS

N. K. Bose, HRB-Systems professor of electrical engineering, presented an invited lecture titled "Algebraic Methods for Solving the Sinusoidal Modeling and Parameter Estimation Problem in 1-D and 2-D" at the Seventh International Conference on Multivariate Analysis in New Delhi, India. He gave a second invited lecture, "A Graph-Theory Based Approach to the Design of Neural Networks," to the Calcutta Mathematical Society.

Congiz Camci, associate professor of aerospace engineering, has received a NASA New Technology Innovator Award from the Technology Utilization Office at NASA Lewis. Dr. Camci's graduate student, Kuisoon Kim, also received the award which recognizes continuing research in liquid crystal imaging.

Peter LeVan, beef and forage herd manager, and Richard Todd, assistant beef and forage herd manager, have received the

1992 Pennsylvania Forage and Grassland Council Award for developing and testing alternative forage systems.

Linda Maxson, professor and head of Biology, and Masatoshi Nei, distinguished professor of biology and director of the Institute of Molecular Evolutionary Genetics, have been elected to offices in the Society for Molecular Biology and Evolution, established Jan. 1. Dr. Maxson will serve as the society's first secretary/treasurer and Dr. Nei will serve as president-elect. The international society's purpose is to "further the goals of molecular and evolutionary biology."

Timothy C. Ovaert, assistant professor of mechanical engineering, has received the Ralph R. Tector Educational Award of the Society of Automotive Engineers. He is one of 21 engineering faculty nationwide to be recognized as outstanding young engineering educators.

### Singing Lions

The Singing Lions will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include "Can't You Feel It," "Baby Come Back (Me,)" "Songfoolery," excerpts from "Broadway Hits Medley" and "Sing! Sing! Sing!"

The Singing Lions is a show choir of 21 singers under the direction of Peter Kiefer.

The concert is free to the public.

### Arts on Channel 3

WPSX-TV will broadcast all new music specials for every member of the family during its spring Festival '93 membership drive, March 1-21.

At 7:30 p.m. Saturday, March 6, Barbara Mandrell hosts "From The Heart: A Tribute to Lawrence Welk And The American Dream," a tribute to the life of the famous band-leader and television star. The program was taped at the Grand Ole Opry House in Nashville before 4,500 fans and friends and features 10 Well stars, jazz clarinetist Pete Fountain, gospel singers The Jordanaires, pianist Floyd Cramer, and an appearance by the Lennon Sisters.

For children, "Barney in Concert" will air from 7:30 a.m. to noon Sunday, March 7. A musical extravaganza taped at the Majestic Theater in Dallas, Tex., the program features traditional sounds and new musical arrangements that encourage the participation of the young viewing audience.

WPSX is inviting parents and grandparents to bring their children and grandchildren to the Channel 3 studios in Wagner Building at University Park that morning for a party celebrating the importance of young public television viewers! Music, balloons, public television party favors and treats for kids and adults will be included in the celebration!

Taped before a live audience, a special concert of opera and popular song is performed by Jose' Carreras, Placido Domingo, and Luciano Pavarotti—the three greatest tenors in the world in Carreras, Domingo and Pavarotti Concert" airing at 8:25 p.m., March 8. The program was originally recorded as part of the closing ceremonies of the 1990 Soccer World Cup.

### Elementary Sing concert

Fifth-grade students from 72 elementary schools in 18 central Pennsylvania school districts will present the annual Elementary Sing concert at 7 p.m. Friday, March 5.

In the new 100-seat auditorium of the State College High School North Building.

The program will include "Gaudemus Hodie" by Natalie Smith, "Song of the Sea" by Mary Donnelly and arranged by George L.O. Strid, "Hooked on History" by Mary Kay Beal and John Carter, "Psalm 108" arranged by Mark Wurster, "Over the Sea to Skye" by Annie McLeod and arranged by Joyce Emly, "Cripple Creek" arranged by Emily Crocker and "John Saw Da Numbah" arranged by Anthony Leach.

The 159 students were selected by their music teachers to participate in the program, which is sponsored by the Pennsylvania Music Educators Association District 4 and co-hosted by Joanne Rutkowski, assistant professor of music education, and Lisa Bevan, music teacher in the State College Area School District.

Tickets are \$2 for adults, \$1 for students and will be available at the door. For further information, contact Joanne Rutkowski at (814) 863-0419.

### Odyssey on WPSU

Chinese wives, mothers, goddesses, and revolutionaries are examined from a

feminist perspective on the next Odyssey Through Literature broadcast, "Woman in a Small Boat."

Yue Dayun, professor of comparative literature at the University of Beijing, introduces series host S. Leonard Rubinstein to the fiction and poetry of modern Chinese feminist writers, and discusses her autobiography, *To the Storm*.

Admired as a revolutionary poet, Yue was later condemned by her fellow communists as a rightist and exiled to make bricks in the countryside. She contrasts her life and feminist aspirations with those in modern short stories.

Poet John Balaban, until recently a professor of English at Penn State and now director of the writing programs at the University of Miami, is the guest on the March 17 episode.

"On 'The Wise Man Shuts His Mouth,'" he and host Rubenstein dis-

cuss Balaban's recent memoir, *Remembering Heaven's Face: A Moral Witness in Vietnam*.

His memoir combines



observations of the war

with a deep and evocative portrayal of the Vietnamese culture that the war tried to but could not successfully erase. "I wanted," says Professor Balaban, "not merely to horrify."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesday at 12:30 p.m. on WPSU, 91.1 FM.

### Metal arts exhibit

Work from beginning and advanced metal arts classes in the School of Visual Arts will be on display March 5 through April 30 in Chambers Gallery at University Park.

The exhibit will feature jewelry, utilitarian and non-utilitarian objects rendered in non-precious metals and crafted by means of a variety of techniques and procedures.

Chambers Gallery is located on the second floor of Chambers Building. The gallery is open Monday through Friday, 9 a.m. through 5 p.m.

### "Shapes in Space"

"Shapes in Space" is an exhibition of prints and ceramics by Sophie Richmond, is on display in Pattee Library's Lending Services Gallery until March 16.

Ms. Richmond has shown her work in a number of local exhibitions, including the DuBois Arts Festival, Clearfield Hospital Auxiliary's Invitational, the Atherton-Hilton, the Susquehanna River Art Center 9th Annual Juried Show, and Susquehanna River Arts Center, "Artist at Festival."

She received a bachelor of science degree in drawing and printmaking from Portland State University of Oregon in 1986. She is a member of the Susquehanna River Arts Center in Clearfield and the Art Alliance in Lemont.

### "Why Not for Girls?"

"Why Not for Girls?: Dorothy V. Harris and Women's Sports Psychology" is on display in the University Archives/Penn State Room at Pattee Library through May 5.

During her lifetime Dr. Harris (1931-1991) was hailed as a pioneer in the field of sports psychology. She was the first American and the first woman to be inducted into the International Society of Sports Psychology, as well as the first woman to serve as president of the North American Society of Sport Psychology. She was a charter member of the Women's Sport Foundation and an ardent advocate for women's equity in sports.

Before her death, Dr. Harris arranged for the donation of her collection of scholarly materials to the University Libraries. This bequest features 2,500 books and papers, including both classic works and hard-to-find

reports and documents. This collection also includes over eighty cubic feet of manuscript materials placed in the University Archives. This exhibit, "Why Not for Girls?," features prominent portions of that collection. It focuses on the life of Dr. Harris and illuminates the elements of the science of sports psychology.

### Historic preservation

A new exhibit in the lobby of Pattee Library focuses on historic buildings in State College. The exhibit features the work of the State College Borough Historic Resources Study Committee.

The committee has been researching more than 800 residential buildings that are more than fifty years old, both north and south of the University Park Campus. The committee is photographing and collecting information on the architects, builders, and occupants of these structures to determine the feasibility of applying for recognition as a historic district on the National Register of Historic Places.

The centerpiece of the exhibit is a collection of photographs of 19 homes and fraternity houses designed by local architects and builders. The exhibit also includes a set of photos detailing early fraternity houses on West College Avenue and a map showing the scope of the two National Register historic districts on campus. Ninety 50 buildings are included in the Ag Hill and Penn State Old Campus complexes.

The exhibit can be seen during regular library hours and will be on display through April 30.



### Waring Collection grant

A grant of \$2,500 has been awarded to Fred Waring's America collection, which highlights the work of Mr. Waring, a man seen to many as "the man who taught America to sing."

The grant was issued by the National Academy for Recording Art and Sciences, better known for the annual Grammy Awards. It will be used to create a complete discography of Fred Waring and his "Pennsylvanians" from 1923-1984.

Pete Kiefer, project director and member of the Recording Academy, says that he eventually hopes to get the information published.

"It's the first grant that we've received for the Waring collection," he said. "I'm very excited about the project because Fred Waring was such a legend in the music and entertainment world."

Fred Waring's America is a project established by the University to preserve the traditions of the showman's work in theatre, music, radio, film and television.

### ARTS AT . . .

#### Hazleton Campus

The Penn State Hazleton Campus will celebrate "March is Poetry" Month with its third annual poetry reading festival at 7:30 p.m., March 2.

Two regional poets will read from their collections. Linda Frost, assistant professor of English at the Hazleton Wilkes-Barre Campus, will be joined by James Harns, English professor at East Stroudsburg University.

The program is free to the public.



# University Park Calendar

## March 4 — 21

### SPECIAL EVENTS

Singing Lions, 12:10 p.m., Helen Eakin Eisenhower Chapel.

Veterinary Science, 8:45-9:45 a.m., 111 Henning Bldg. James A. Bond on "The Mechanistic Basis for 1,β-Betaene Carcinogenicity: Implications for Human Health Risks."

Electronic English Resources Seminar, 2:30-3:30 p.m., Pattee Library. Hands on session to help library users learn about LIAS. For more information, contact Sandy Stauffer at 865-0401. Also offered again Tuesday, March 16, 7-8:30 p.m.

Saturday, March 6  
Shaver's Creek, 7:30 p.m. Moonlit hayride. Call 863-2000.

Thursday, March 11  
Peace Studies Association, annual meeting of 120 college and university academic programs for the study of peace, conflict, justice and global security, Keller Conference Center, through March 14.

### March 8-March 12

**SPRING BREAK**

Saturday, March 13  
Shaver's Creek, 11 a.m.-4 p.m., Old-Time Singing Open House.

Sunday, March 14  
Faculty-Staff Appreciation Night, Lady Lions gymnastics meet, 7:30 p.m., Recreation Hall. Penn State vs. Rutgers and Temple. All Penn State faculty and staff with I.D. and guest admitted free.

Monday, March 15  
Comparative Literature, 12:15 p.m., 101 Kern Bldg. Nancy Love on "Politics and Voice(s): An Empowerment/Workplace Regime."

Tuesday, March 16  
School of Communications, 11:45 a.m.-1 p.m., Carnegie. Richard Taylor on "The Impact of the Information Technologies on Higher Education."

Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. Mark L. Lusik on "Artistic Viewpoints."

■ **Art History, 8 p.m., 112 Walker Bldg.** Elizabeth Bradford Smith on "Ars mearialis": Gothic Structure in Italy."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Lionel Hampton Big Band. Tickets required.

Wednesday, March 17  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. James S. Ullman on "Artful Lungs: An Eng'g Perspective."

School of Music, 8 p.m., Recital Hall. Marilyn Dosse, piano.

Thursday, March 18  
Instructional Development, 3:30-5 p.m., 118 ASI. Nancy S. Love on "Dealing with Diversity and Differences in the Classroom."

Friday, March 19  
Annual Bicycle Auction, Salvage Warehouse. For more information, contact 865-4371.

Graduate Research Exhibition, HUB Ballroom, also March 20.

Geography, 3:30 p.m., 319 Walker Bldg. Bob Riley on "Looking (I) at the Everyday (?)"



"Shapes in Space, an exhibition of prints and ceramics by Sophie Richmond, is on display in Pattee Library's Lending Services Gallery until March 16.

Landscape."

Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. A member of the Paul Taylor Dance Co. on "Artistic Viewpoints."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. The Paul Taylor Dance Company. Tickets required.

Saturday, March 20  
Shaver's Creek, 7:30-10 a.m. Bird Breakfast. Minority Faculty Development, 9 a.m.-noon, 114 Kern Graduate Bldg. Harold Cheatham on "The Publishing Process Roundtable."

Shaver's Creek, 1-3 p.m. Bluebird Box Workshop.

Center for the Performing Arts, 2 p.m., Schwab Auditorium. Aaron Copland: A Self-Portrait. Tickets required.

Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. Fred Sherry on "Artistic Viewpoints."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Chamber Music Society of Lincoln Center. Tickets required.

Sunday, March 21  
Shaver's Creek, 11 a.m.-4 p.m. Maple Singing Open House.

### CONFERENCES

Feb. 15-March 5  
Engineer-Scientist as Manager, 30 attendees. Nittany Lion Inn. Monday, March 1

Institutional Facilities Management for Supervisory Personnel, 20 attendees, Best Western, through March 5.

James Myers, chair, and Roger Maclean, coordinator.

Tuesday, March 2  
Qualification Course in Well Control, 12 attendees. Nittany Lion Inn, through March 5.

Stanley Supon, chair, and Roger Maclean, coordinator.

Wednesday, March 3  
Central Seminar, Keller Bldg. Nancy McCord, coordinator.

Thursday, March 4  
PA Bar - Ethical Issues for Estate Lawyers, 12 attendees. Shirley Hendrick, chair, and Nancy McCord, coordinator.

State System of Higher Education, 100 attendees. Nittany Lion Inn, through March 6.

Tuesday, March 9  
Fermentation Methods and Scale-Up Strategies, 18 attendees. Days Inn, through March 12.

K. Rashid, chair, and Jermi Morsch, coordinator.

Thursday, March 11  
PA Bar - Ethical Concerns in Today's Practice, 32 attendees. Shirley Hendrick, chair, and Nancy McCord, coordinator.

Monday, March 15  
Mine Instruction Training, 10 Attendees. Nittany Lion Inn. Robert Franz, chair; Barb Impellitteri, coordinator; through March 17.

Tuesday, March 16  
Forest Issues Conference, 250 attendees. Nittany Lion Inn. Robert Nicely, chair; Roger Maclean, coordinator.

Wednesday, March 17  
PP & L Leadership Forum, 25 attendees. Nittany Lion Inn. M. Menchor, chair; through March 19.

Friday, March 19  
Conference on Educational Innovation, 200 attendees. Nittany Lion Inn. Robert Nicely, chair; Roger Maclean, coordinator; through March 20.

Saturday, March 20  
Crisis Intervention, 75 attendees. Nittany Lion Inn. Joe French, chair; Jack Sinclair, coordinator. NRA Coach Certification, 20 attendees, local

hotels/motels. Jack Sinclair, coordinator; through March 21.

Sunday, March 21  
Developing Managerial Effectiveness Program, 20 attendees. Nittany Lion Inn. J. Rose, chair; through March 26.

### SEMINARS

Thursday, March 4  
Adult Education, noon, 206 Charlotte Bldg. Donald Gogriat on "Boundary Spanners from a Cross Cultural Perspective."

IDP Seminar, 3:30-5 p.m., 118 ASI Bldg. Robert G. Melton on "Socializing Students to Work in Groups Using Peer Evaluation."

Computer Science, 4 p.m., 325 Whitmore Lab. Alexander Barvinkov on "Computing the Ehrhart Polynomial of Convex Lattice Polytope."

Gerontology, 4-5 p.m., 106 Mitchell Bldg. Barbara Poiss on "Regulation of Food and Fluid Intake in the Elderly."

Computer Science, 4 p.m., 317 Mueller Lab. Steven Henkoff on "Amino Acid Substitution Matrices for Homology Searching."

Physics, 3:30 p.m., SS Osmond Laboratory. Ellen Williams on "Thermodynamics of Surface Morphology."

Biology, 4 p.m., 317 Mueller Lab. Steven Henkoff on "Amino Acid Substitution Matrices for Homology Searching."

Friday, March 5  
Center for Research in Conflict and Negotiation, 10:30 a.m., 115 BEM. Anuradh Deberon on "Durable-Goods Monopolists, Rational Consumers, and Improving Products."

Tuesday, March 9  
Plant Pathology, 1:25-1:50 p.m., 112 Buckhout Lab. Clive Jones on "Integrating plant stress, damage and resistance."

CRCN, 10:30 a.m., 115 BEM. George Malath on "Social Effects on Bargaining and Investment."

Chemical Engineering, 2:45 p.m., Paul Robeson Cultural Center Auditorium. Eduardo E. Wolf on "Scanning Tunneling Microscopy Characterization of Pt-Graphite Catalyst."

Geosciences, 3:30 p.m., 341 Deike. Chris Scholz on "The Growth of Faults."

Operators Research, 4:15 p.m., 210 Hammond Bldg. Donald W. Marquardt on "Global Business Implications of the ISO 9000 Standards and Quality Systems Registration."

IDP Seminar, 3:30-5 p.m., 118 ASI. Marie J. Secor and Larry D. Spence on "Writing and Critical Thinking in the Disciplines."

Thursday, March 18  
Physics, 3:30 p.m., SS Osmond Lab. Wolfgang Sandner on "Laser Excited Planetary Atmos."

■ Reflects an international perspective

## Graduate Research Exhibition set for March 19-20 at University Park

Laser scattering in clouds, coal water fuels, the birth of a dust grain and the effects of dramamine on the stomach's response to motion are a few of the research projects that will be on display during the eighth annual Graduate Research Exhibition, March 19-20 in the HUB Ballroom at University Park.

The exhibition, which is open to the public from 10 a.m. to 4 p.m. daily, gives graduate students the opportunity to explain and defend their research — through poster presentations — to faculty, other students, administrators and the community.

"Graduate research is an integral part of the university education process," said Barbara Shannon, associate

dean of the Graduate School. "Combined with the body of knowledge that graduate students accrue, hands-on research prepares them, through application of methods and techniques, for industry or academic careers." Research, and graduate research in particular, is critical to the university. But this research also often sets students on the research paths of their careers."

More than 175 graduate students will compete for awards totaling \$10,000 with such varied projects as a consideration of the "green gap" in pre-conventional attitudes and product availability, whether model minorities earn more, an alternative approach to lead reduction in drinking water, accessing medieval Spanish

texts, and an advanced energy storage flywheel battery.

All 10,871 Penn State graduate students perform research as part of their degree requirements. By working with senior faculty in small groups and one-on-one, they learn the standards, techniques and methods of their disciplines, form lasting professional relationships with their mentors and in some cases create and define research goals that last a lifetime.

The Graduate Research Exhibition is co-sponsored by the Graduate Council and the Office of the Senior Vice President for Research and the Dean of the Graduate School. Awards will be announced at 3 p.m. Saturday, March 20.

APPOINTMENTS

Susan Daley, a crisis counselor at Family Crisis Intervention Inc. in Erie for 17 years, has been named personal counselor at Penn State Erie, The Behrend College.

She is responsible for providing counseling and psychological services to Penn State-Behrend students, including individual counseling, group counseling on topics relevant to students' well being, and crisis evaluation and intervention.

A graduate of Marietta College, Ms. Daley earned a master's degree in clinical psychology at Edinboro University, and was creator and owner of a vegetarian restaurant, the former Walnut Street Cafe, in Erie.

Irving Hand, professor of state and regional planning, Penn State Harrisburg, has been named the college's first scholar-in-residence at the Penn State Downtown Center.

A member of the Penn State Harrisburg faculty since 1972, Professor Hand served as president of the American Planning Association in 1981-82 and in 1989 received the Award for Excellence in Public Administration from the American Society of Public Administration.

Professor Hand, who will serve the scholar's role for the remainder of the 1992-93 academic year, will have an office in the Third Street Downtown Center, and will direct a variety of projects with activities involving state and local government agencies. He also will teach courses and guest edit an issue of Dimensions, the center's newsletter.

The scholar-in-residence program has been approved by the PSH academic council which is composed of members of the college's academic leadership. The program promotes PSH resources in the state capital and is designed to develop collegial relationships between Penn State Harrisburg faculty and state and local government officials, business professionals, and community leaders.

Beginning with the 1993-94 academic year, one faculty member from the college will be selected as the scholar-in-residence and will be in residence at the Downtown Center for the entire academic year.

Deborah A. Hitchcock, director of continuing education at the Penn State Ogontz Campus, has been appointed director of marketing and admissions, Commonwealth Educational System, in the Undergraduate Admissions Office.

In her new position, she will be responsible for the conceptualization and implementation of programs and activities related to marketing and admissions for CES. She also will advise and assist

campus personnel in identifying positioning strategies and developing marketing plans.

A graduate of Indiana University, she received an M.S. in human organization from Villanova University.



Deborah A. Hitchcock

Ms. Hitchcock joined the Ogontz Campus staff in 1983 as a program assistant after serving three years as administrative assistant to the associate dean of continuing education at Drew University.

She was named area representative-evening/summer programs at Ogontz in 1985 and then served as assistant director and acting director of continuing education. She was named director in 1989.

A member of the National University Continuing Education Association, she served as chair of Region II in 1990-91.

David McCarty has been named production manager for WPSX-TV. He will be responsible for the coordinating and scheduling of the various television production facilities, and the supervision of audio/video production personnel.

Mr. McCarty has been WPSX-TV's audio production specialist since 1973. He graduated from Indiana University of Pennsylvania in 1969 with a B.S. in music education and spent the next four years in the Air Force, in California, as an audio/visual specialist.

Mr. McCarty has been a presenter for the Fred Waring Sound Recording Workshop and various courses of Communication courses at Penn State since 1978. He is a member of both the Nittany Valley Symphony Orchestra and the Pennsylvania Centre Chamber Orchestra.

Rosa Maria Richardson has been appointed director of station development at WPSX-TV, Channel 3. Ms. Richardson, who will be responsible for fundraising activities for WPSX and public radio station WPSU,



Rosa Maria Richardson

replaces Sandra K. Edwards, who has been named director of development for Continuing Education.

Prior to coming to Channel 3, Ms. Richardson was the assistant to the dean, alumni relations, in The Smear College of Business, where she was responsible for managing programs for over 45,000 alumni. Before coming to Penn State, she was an account executive for Leo Burnett Advertising in Chicago.

A graduate of the Yale School of Organization and Management, Ms. Richardson earned a master's degree in public and private management. She earned her bachelor's degree from the University of Virginia in Latin American studies and Spanish.

Nancy S. Witherite has been named the 1993 College of Engineering Administrative Fellow.

The Engineering Administrative Fellows Program is a career development program that recognizes engineering staff members who have demonstrated leadership, interpersonal and management abilities and who have at least three years of continuous service in the college.

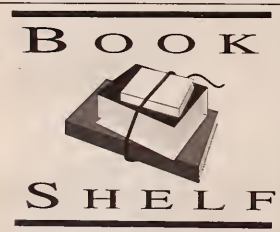
Ms. Witherite will continue to hold her position as staff assistant to the associate dean for undergraduate studies as well as work in two other administrative units during her six-month appointment. She will work with the associate dean for administration and planning in human resources for the first half of her appointment and with the Department of Chemical Engineering in departmental administration for the latter half.

A business curriculum graduate of Bald Eagle Area High School, Ms. Witherite has served in her current position since 1985. In that position, she assists in monitoring enrollment controls, is responsible for maintaining a working knowledge of admissions policies and procedures, and serves as the contact for the ten engineering departments.

Before joining the College of Engineering, she worked briefly as a clerk in the Department of Plant Pathology in the College of Agricultural Sciences. She also worked for ten years as a clerk at Genisimore Trucking, Inc., and for three years as a payroll clerk at Erie Technological Products, Inc.



Nancy S. Witherite



Robert Ginsberg, professor of philosophy at the Penn State Delaware County Campus, served as general editor for 44 books for three book series during 1992. Most of the volumes will be appearing in 1993.

As series editor of New Studies in Aesthetics (Peter Lang Publishing), two volumes appeared in 1992 under Dr. Ginsberg's general editorship: James L. March, *Radical Fragments*, and Roberta Kevelson, *Law and Aesthetics*. Eight other volumes, on such topics as dance theory, cross-cultural fictions, Shakespearian theory, Nietzschean dialogue, and

Kantian judgment, have been edited and are due to appear in 1993, bringing this series, founded by Dr. Ginsberg in 1988, to 18 books.

As philosophy series editor for Jones and Bartlett Publisher, Dr. Ginsberg supervised the publication of four books in 1992: Linus Pauling and Daisaku Ikeda, *A Lifelong Quest for Peace: A Dialogue*; Gary Jason, *Clear Thinking*; Louis P. Pojman, *Life and Death: Grappling with the Moral Dilemmas of Our Time and Life and Death: A Reader in Moral Problems*. Twenty additional volumes are under contract in this line of student-centered books.

He was named executive editor of the *Value Inquiry Book Series (VIBS)* in early 1992. This scholarly series, published by Kodopi, is co-sponsored by the American Society for Value Inquiry, the International Society for Value Inquiry, the Natural Law Society, the International Society for Universalism, and other societies and centers. The first ten books approved by Dr. Ginsberg are by scholars in Australia, South Africa, Israel, Germany, and the United States on such topics as meaning, thinking, justice, axiology, and wisdom. They will be in print in 1993.

Gerald G. Eggert, professor emeritus of history, is the author of *Harrisburg Industrializes: The Coming of Factories to an American Community*, published by

Penn State Press. The book traces the growth and impact of industrialization in Harrisburg from 1850 to 1900.

"The industrialization of Harrisburg, while rapid, was less traumatic than in larger cities such as Pittsburgh or Lowell, Mass., where hard-driving entrepreneurs developed new technologies and aggressively imposed them on workers," Dr. Eggert said.

The Industrial Revolution did not reach Harrisburg until 1850. Within a decade, however, Harrisburg had a cotton textile mill, two blast furnaces and several iron rolling mills, a factory manufacturing railroad cars and a machinery plant.

Nevertheless, industrialization in Harrisburg remained on a smaller, less ambitious scale and for that reason, the changes from town to city weighed less heavily on the average citizen.

"Factories and factory work did not throw large numbers of craftsmen out of work in Harrisburg," Dr. Eggert said. Often, the factories hired many carpenters and blacksmiths instead of displacing them, and employed some craftsmen as foremen.

"There is little evidence that industrialization at Harrisburg created a sullen, alienated, semi-permanent class of 'wage slaves.'"

## AWARDS

## Employment Division recognized for innovative program

The Employment Division of the Office of Human Resources has received national recognition for its Summer Clerical Intern Program (SCIP) inaugurated in the summer of 1992.

The program, now known as the Staff Assistant Training Program (SATP), was honored by the College and University Personnel Association through its "Program for New Ideas," and is one of five programs selected to be published in CUPA's 1992 *New Ideas* booklet. CUPA is an international network of more than 5,000 human resources administrators, representing 1,700 colleges and universities.

The program was developed to address the problem of recruiting minority applicants for staff assistant positions at large, multi-campus universities located in geographic areas with small minority populations, like Penn State. The idea for SATP was conceived by L. Steve Hayes, senior employment specialist, Jeri Galaida, employment specialist, Janet E. Davison, senior employment specialist, and Sharon M. Rohn, human resources officer.

The program proved effective because Employment Division staff members established relationships with post secondary business schools throughout Pennsylvania with high enrollments of minority students. Working with the schools' placement counselors, staff members recruited students with office skills to work in an eight-week, on-the-job training program at University Park during the summer. Two of the nine participants are now full-time University employees.

CUPA's "Program for New Ideas" is designed to recognize innovative human resource management projects implemented by institutions of higher education.

## Two named Honorary Alumni of University

The Alumni Council of the Penn State Alumni Association has selected two to receive Honorary Alumni Honors. They will be honored at the Awards Ceremony during Traditional Reunions, June 5.

The Honorary Alumni Award was established in 1973 and honors people who, though not graduates of Penn State, have contributed toward the welfare, reputation or prestige of the University. The award is only given when the Alumni Association wishes to honor outstanding individuals.

Receiving awards for 1993 are:

—Maurice K. Goddard of Camp Hill, professor emeritus of forestry and former secretary of the Pennsylvania Bureau of Forestry and Waters, now known as the Department of Environmental Resources.

—Jerome K. Pasto of State College, associate dean emeritus for resident education in the College of Agricultural Sciences and professor emeritus of agricultural economics.

Maurice K. Goddard began his career as an instructor of forestry at Penn State in 1935. In 1946, he became director of the School of Forestry at Mont Alto Campus and in 1952, became director of the School at the University Park, where he served until 1955 when he was named Pennsylvania's secretary of Forests and

Waters. He held that position through five gubernatorial administrations. During his tenure, he provided leadership for the passage of two bond issues, which generated \$570 million for conservation programs in Pennsylvania.

A chair in Forestry and Environmental Resource Conservation in the College of Agricultural Sciences has been endowed in his name and the M.K. Goddard State Park in Mercer County was named in his honor. He has received honorary doctoral degrees from the University of Maine; Drexel University, and Gettysburg College.

Mr. Goddard is director at large for the National Wildlife Federation and serves on the Pennsylvania Environmental Council and the Eastern Pennsylvania Chapter of the Nature Conservancy. He is a trustee of the Chesapeake Bay Foundation, director of the Pennsylvania Chapter of the Rails to Trails Conservancy, past chairman of the Allegheny Section of the Society of American Foresters and serves on a number of other associations and councils. He also served as an alternate for the governor on the Delaware River Basin Commission and the Susquehanna River Basin Commission.

Jerome K. Pasto came to Penn State in

1950 as an assistant professor of farm management in the Department of Agricultural Economics and Rural Sociology after having received his doctorate in agricultural economics from Cornell University.

A collector of antique farm equipment, he and his wife, Frankie, donated a substantial monetary gift to establish the Pasto Agricultural Museum at the Russell E. Larson Agricultural Research Center, Rock Springs, in 1979. Since then, he has served as the museum's curator and a frequent volunteer. He and his wife have initiated an Endowment Fund to assure the Museum's future. The Museum is open to thousands during Penn State's Ag Progress Days in August and to school groups and others by appointment.

Dr. Pasto is a member of the American Farm Economic Association, the American Society of Farm Managers and of a number of honorary societies. He was appointed to the Food and Agricultural Organizations of the United Nations in 1957-58 and was named consultant to the Organization of American States on Agricultural Development in 1962. In addition he has served on numerous community, church and University committees.

## Art professor obtains national award

Robert W. Ott, professor of art education, has been selected to receive the National Art Education Association Award as the 1993 Eastern Region Art Educator. The award recognizes, by region, outstanding service and achievement by past recipients of state or province art educator awards.

The National Art Education Association membership includes elementary and secondary art teachers in 50 states as well as representatives from America's major art museums, state departments of education, arts councils, and major colleges and universities in the United States and 66 foreign countries.

James M. Clarke, president of the National Art Education Association, said that "Dr. Ott

exemplifies the high quality of individuals involved in the field of art education today."

Prior to becoming a member of the University faculty in 1967, Dr. Ott taught at the Harrisburg Area Community College and at the Harrisburg City School District. Author of numerous articles and reviews, his book, *Higher Order Critical Thinking Skills: The Discovery of Knowledge in Museums*, will be published by the Pennsylvania Federation of Museums and Historical Organizations. Past-president of the Pennsylvania Art Education Association, he also has served as executive director of "Very Special Arts, Pennsylvania," a program established by the Kennedy Center for the Arts.

## Associate professor earns Fulbright Fellowship Award

Katherine Toland Frith, associate professor of advertising in the School of Communications, has been awarded a 1992-93 Fulbright Fellowship Award.

She is lecturing and conducting research at the Bandung Institute of Technology in Indonesia. This is her second Fulbright Award, with the first in 1986 to teach and conduct research at the School of Communications, Institut Teknologi MARA in Malaysia.

Dr. Frith joined the University faculty in 1988. Among her research interests are international advertising, environmental advertising, advertising on the consumer movement, and advertising in Asia.

She is a member of the International Association for Mass Communications Research, the Association for Education in Journalism and Mass Communications, the American Academy of Advertising and the Asian Institute for Mass Communication Research. She also is listed in *Who's Who in International Education*.

Dr. Frith holds Ed.M. and M.A. degrees of education degrees from the University of Massachusetts and a B.S. degree from Chestnut Hill College in Philadelphia.

## 25-YEAR AWARDS



Observing 25 years service at the University are, from left, James Everhart, farm machinery operator and mechanic at the Agronomy Research Farm, Kathlynn Hostleiger, county extension director in Cambria County; Budd Immet, young stock caretaker and milkster at the Dairy Production Research and Teaching Center; Gerald Kuhn, professor and interim head of food science; and Zane Smilowitz, professor of entomology, all in the College of Agricultural Sciences; and Richard L. Naeye, professor and chairman of pathology at the Hershey Medical Center.

## Couple endows professorship in engineering

Walter L. and Anne G. Robb of Schenectady, N.Y., have endowed a professorship in the College of Engineering.

Walter Robb retired in December 1992 as senior vice president, corporate research and development, for the General Electric Co. and is a 1948 graduate of Penn State.

"My Penn State experience gave me a great start on a 41-year career with GE that fulfilled every one of my youthful dreams," he said.

"Anne and I want this professorship to give at least one teacher extra time and resources to devote to young Penn State engineering students."

The Walter L. Robb Family Professorship in Chemical Engineering will support an outstanding faculty member in education, research and scholarly activities. The Robbs made the endowment part of their estate plans.

"We are delighted to have Anne and Walt Robb's names officially allied with the college through this professorship," said David N. Wormley, dean of the college of Engineering. "As a leader in business and research, Walt Robb understands the need to support the individuals who educate America's engineers."

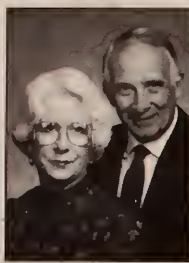
Walter Robb directed GE's

research and development center. His achievements during his tenure included breakthroughs in advanced materials and advances in medical diagnosis, artificial intelligence and environmental research. Previously, as head of GE Medical Systems, he led developments of several ground-breaking diagnostic imaging products.

A member of the National Academy of Engineering, he is a Penn State Alumni Fellow and Distinguished Alumnus. He is a member of the Leeward Center Advisory Board and of the New York State Science and Technology Foundation Board.

Anne Robb is a graduate of Watervliet High School and the Russell Sage College in Troy, N.Y. After graduation, she worked for the GE patent department. Currently a volunteer at Ellis Hospital and in the Schenectady Museum Gallery Shop, she serves on the boards of numerous local organizations, including the Schenectady Symphony Women's League, and Family and Child Service, and the Boy's and Girl's Clubs of Schenectady.

Walter Robb will continue consulting activities and service on several company boards as well as work on a history of the computer-



Walter L. and Anne G. Robb

ized tomography scanner industry. He received his bachelor's degree in chemical engineering from Penn State and earned master's and doctoral degrees in chemical engineering from the University of Illinois.

He holds an honorary doctor of engineering degree from Worcester Polytechnic Institute.

The Robbs previously endowed the George A. and Ruth S. Robb Graduate Fellowship in Chemical Engineering, in honor of Walter Robb's parents.

## Four give \$100,000 toward science scholarship

Joseph and Alice Holtzinger of Waynesboro and Edward and Beryl Holtzinger of Julian have given \$100,000 to endow a scholarship in the Eberly College of Science.

The Albert H. and Van B. Holtzinger Science Ambassador Scholarship honors Albert H. Holtzinger and his wife, Van, parents of Joseph and Edward. Albert Holtzinger received B.S. and Ph.D. degrees from the Department of Chemistry and served as a faculty member at Penn State's Mont Alto, Altoona, Schuylkill and University Park campuses. He retired from Penn State in 1961 after nearly 30 years of service and died in 1990.

The gift endows Penn State's first Science Ambassador Scholarship. Developed as an outreach program to encourage students of precollege age to pursue careers in science, the Science Ambassador Scholarship program encourages scholarship recipients to serve as role models for students throughout Pennsylvania.

Ambassadors are selected based on both their high level of academic achievement and their ability and desire to communicate their enthusiasm for science. The program is part of Penn State's New American Scientist Initiative, an academic strategy for attracting precollege students to science careers and retaining them in scientific majors throughout their college years.

Consideration for the Holtzinger scholarship will be given to undergraduate and graduate students in the Eberly College of Science who show academic promise and demonstrate financial need. First preference will be given to chemistry majors who have expressed the intention of becoming teachers at the secondary or junior college level.

"The Holtzinger family's generosity in establishing this perpetual scholarship is a fitting tribute to Dr. Albert H. Holtzinger, a gifted educator who spent many years serving Penn State students as a teacher, mentor, and friend," Gregory Geoffrey, dean of the Eberly College of Science, said. "The Holtzinger scholarship will allow us to carry out important outreach efforts crucial to fortifying our nation's educational base, which is so important to our future competitiveness."

Joseph Holtzinger retired in 1987 after 20 years of service to Crane & Company in Dalton, Mass., where he was manager of technical sales. He received a B.S. degree from Penn State in commercial chemistry. He has volunteered his financial support, time and efforts in a variety of capacities in the Eberly College, including the Alumni Society board of directors and student recruitment activities.

Edward Holtzinger, part-time facilitator of data processing at the Centre County Vocational-Technical School and a facilitator of youth organizations for the Department of Vocational Education in Harrisburg, was formerly employed by Management Services at Penn State. His wife, Beryl, is a graduate of the College of Health and Human Development.

## Top undergraduates to benefit from alumnus' \$30,000 gift

An alumnus of the College of Agricultural Sciences has committed \$30,000 to endow a series of financial awards for top undergraduates.

Joseph Rumbaugh, a retired businessman who now lives in Fort Lauderdale, Fla., created six awards to assist students in the college who have exemplary academic records.

The Elmer and Della Rumbaugh Award honors his parents; the Virginia Rumbaugh Beatty, Dorothy Rumbaugh Black and Carolyn Louise Rumbaugh

Wickes Awards honor his sisters; and the Louise Burkhard Rumbaugh award was established in honor of his wife. Also created was the Joseph Rumbaugh Award.

Mr. Rumbaugh endowed each award with \$5,000. Recipients will be chosen by the college's scholarship committee. The annual amount of each award will be determined in accordance with the University's endowment spending policy.

### OBITUARIES

Philip S. Klein, a prominent authority on Pennsylvania history and professor emeritus of American history, died Feb. 15. He was 83.

He was the author or co-author of several books on the history of Pennsylvania, including *President James Buchanan: A Biography*, long considered the definitive biography of Buchanan, Pennsylvania's only U.S. president. He also wrote a textbook, *A History of Pennsylvania*, (1973) covering the political, economic and social developments of the Commonwealth.

Dr. Klein was widely active on behalf of the Pennsylvania Historical Association, which named a prize after him in 1986 that is awarded every two years to the person who writes the best article on Pennsylvania history.

He joined the University faculty in 1941 and retired in 1972. He served as head of the Department of History from 1953 to 1956.

Dr. Klein earned a B.A. degree from Franklin and

Marshall College, a master's degree from the University of Chicago and a Ph.D. from the University of Pennsylvania. Prior to his appointment at Penn State, he taught at Franklin and Marshall College.

Sarah H. Fox, administrative aide VII in the President's Office since April 17, 1992; died Feb. 5 at the age of 53.

Leroy H. Griffin, janitorial worker, Office of Physical Plant; from Nov. 11, 1968, until his retirement Nov. 1979; died Feb. 7 at the age of 75.

Anne L. Zanghi, staff assistant V, Student Services; since Sept. 10, 1984; died Feb. 9 at the age of 46.

June B. Zeigler, research aide, College of Agricultural Sciences; from March 1, 1963, until her retirement July 1, 1977; died Jan. 31. She was 75.

# Focus on Research

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## Ancient marine shells reveal coastal temperature changes



**T**he mix of fossil marine shells found in deposits near Norfolk, Va., indicates that coastal water temperatures during their lifetimes were somewhat warmer than today, according to University researchers.

The combined temperature ranges of the marine animals found in the deposit points to an environment that was 4 degrees Fahrenheit warmer than today's coastal area in that location, say the researchers. Lauren Mapleton, an undergraduate in earth sciences, now with the Pennsylvania Department of Environmental Resources and Roger J. Cuffey, professor of geosciences, presented these findings at the Northeast Section meeting of the Geological Society of America in 1992.

The researchers retrieved samples of marine deposits from excavations for the Continuous Electron Beam Accelerator Facility, a project of the U.S. Department of Energy and the Southern University Research Authority. CEBAF is located just north of Newport News, Va.

In the excavation, the researchers found exposed levels of sandy clay about 15 feet below the modern ground surface. The clay is considered to be 3 to 4 million years old.

Above this was a light gray layer filled with fossil remains that showed upper and lower concentrations of shells, topped by a younger layer of soil that is between 30,000 and 100,000 years old. Samples were taken from the upper and lower shell beds.

Ms. Mapleton and Dr. Cuffey washed and sorted the fossils which included various forms of clams, oysters, mussels, snails, boring sponges and bryozoans — minute, encrusting, coral-like animals. In total, the researchers identified 22 species of animal, all currently extant.

The researchers then determined the temperature ranges at which the individual species could live.

"Some of the species found could live today in the warm waters off the coast of Florida, and others could survive as far north as the coast of Labrador," said Dr. Cuffey. "When all the species temperature ranges were stacked up, the only area of overlap was between 62 and 64 degrees F."

Today's temperatures off the Virginia coast and in the Chesapeake Bay area range from 58 to 60 degrees. The area with temperatures where this specific collection of animals could grow today is along the southern coast of North Carolina.

"There are only two times in the Earth's immediate past when the general climate was warmer than it is today," said Dr. Cuffey. "The most recent was 125,000 years ago and the most distant was 325,000 years ago during the Pleistocene."

These temperatures were determined from oxygen isotope studies of deep sea shelled protozoans and are considered fairly reliable.

Separate analysis of the upper and lower shell beds showed that all of the fossil species found in the upper bed were also found in the lower bed, indicating that the geologic time difference between these two layers is insignificant — a few hundred or thousand years.

The researchers believe that the shell strata they are exploring were most likely laid down during the warm period 125,000 years ago judging from animal species, temperature ranges and records of oceanic temperature from isotopic studies.

"This warming reflects coastal estuarine temperatures and has more to say about coastal land temperatures than about oceanic temperatures," noted Dr. Cuffey.

— A'ndrea Elyse Messer

**Researchers washed and sorted the fossils, which included various forms of clams, oysters, mussels, snails and sponges. In total, they identified 22 species of animal, all currently in existence.**



Roger J. Cuffey and his drawers of marine shells.

Photo: Greg Grieco

## 1993 Alumni Teaching Fellow Professor of chemistry earns honor for excellence

John P. Lowe, professor of chemistry in the Eberly College of Science, has been named the 1993 Alumni Teaching Fellow. He will be honored for excellence in teaching at the University Awards Convocation on March 28.

The award is sponsored by the Penn State Alumni Association, the Undergraduate Student Government and the Graduate Student Association. Dr. Lowe was selected by a committee of alumni, faculty and students for his exceptional ability to engage students in the subject of chemistry and in science in general.

*"Dr. Lowe is a charismatic and innovative teacher who has led the department in its drive to enhance teaching effectiveness."*

Gregory L. Geoffroy  
dean  
Eberly College of Science

"Dr. Lowe is a charismatic and innovative teacher who has led the Department of Chemistry in its drive to enhance teaching effectiveness," Gregory L. Geoffroy, dean of the Eberly College of Science, said. "He has given a large number of students a love for science, while at the same time has developed and maintained his record of scholarship and service in an excellent fashion."

Dr. Lowe's primary question as a science teacher is: "How can I do a good job on traditional coverage of the subject and simultaneously foster the broader developmental goals that are so important?" To which he answers, "I challenge the students, and I make the learning experience as interactive as I can."

Assistant head for undergraduate education in the Chemistry Department since 1989, he is widely recognized

for his "enthusiastic and effective teaching" at both the graduate and undergraduate levels and for his ability to engage non-chemistry majors in the appreciation and understanding of science.

Dr. Lowe has been active as a department adviser to University Scholars students and has taught honors courses as well. Since 1989, he has been a member of the Dean's Undergraduate Education Advisory Committee for the Eberly College of Science. His contributions to teaching have been previously recognized with an AMOCO Foundation Outstanding Teaching Award in 1985 and the Eberly College of Science C.I. Noll Teaching Award in 1991.

A specialist in theoretical physical chemistry, he is the author of a widely used textbook, *Quantum Chemistry*, now in its second edition, and has been the author or co-author of more than 50 refereed journal articles. Seven graduate students have earned their doctorates under his direction.

A 1958 graduate of the University of Rochester in chemistry, he received a master of arts in teaching degree from Johns Hopkins University in 1959 and a Ph.D. in chemistry from Northwestern University in 1964. From 1964 to 1966, he conducted research at the Johns Hopkins University as a National Institutes of Health Postdoctoral Fellow.



John P. Lowe

## Center established to address rural community needs

To address the many challenges rural communities face, the Center for Economic and Community Development has been established in the College of Agricultural Sciences.

"Penn State has a large number of scientists and educators concerned with the issues affecting rural areas," said Stephen Smith, the center's director and associate professor of agricultural economics. "The center currently has more than 20 members, all of whom have studied rural issues extensively."

The center's goals include developing effective research, extension and education programs in rural development, providing an easy way for interested people to communicate with rural development faculty, and fostering collaboration among faculty members and others involved in rural issues.

In April, the center will begin publishing "Economic and Community Development News," a quarterly newsletter for extension agents, state legislators, local government and business leaders, faculty at other institutions and others interested in rural issues.

For more information about the Center for Economic and Community Development or to subscribe to "Economic and Community Development News," write to Dr. Smith at 112 Armsby Building, University Park, 16802-5600, or call (814) 863-8245.

## International conference on medieval drama scheduled for March 25-27

The Middle Ages are alive and well to many through contemporary fiction and film, but the original, medieval drama had quite another story to tell.

Drama was both a literary form that reflected the values and beliefs of all levels of society and a public ceremony. Exploring how medieval drama conveyed that cultural identity even to the new world is the focus of an international conference on medieval European drama to be held March 25-27 at University Park.

"The Stage as Mirror: Civic Theatre in Late Medieval Europe," conference will explore the function of late medieval theatre in England, The Netherlands, and

France. Sessions led by internationally known scholars, including Alan E. Knight of the French department, will cover English and Dutch civic drama, as well as a group of processional plays from Lille, France. Other scholars who will present include Richard Beadle of Cambridge University, Martin Stevens of the City University of New York, Stephen Spector of SUNY Stony Brook and Alexander Johnston of the University of Toronto.

The conference, which is open to both scholars and the public, will explain how the theatre shaped late medieval consciousness. A medieval banquet on Thursday, March 25, will feature a

medieval menu and music as well as a performance of the biblical play, "Susannah and the Elders."

The Saturday workshop on medieval drama, directed by Lynette Muir of Leeds University who has extensive experience in writing about and staging medieval drama, will offer advice on the production of medieval plays. She also will direct parts of late medieval German and English plays.

While registration is required, there is no fee for school teachers, or full-time University students or faculty members. Registration for others is \$25. Registration for the banquet on Thursday, March 25,

(\$19 each) and the medieval luncheon on Friday, March 26, (\$15.00) must be made by March 19.

The conference is organized by Medieval Studies Program and sponsored by the colleges of the Liberal Arts and Arts and Architecture, the Institute for Arts and Humanistic Studies and other University units, including the Graduate School, and the Office of the Provost.

For more information on the conference, contact Vickie L. Ziegler, 5232 Burrows Building at (814) 863-7484. Registration inquiries should be directed to Judith L. Shawley, 601 Oswald Tower at (814) 865-1367 by March 11.

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March 4, 1993  
Vol. 22, No. 23

PENN STATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

March 18, 1993

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**From the inside out . . .** Two workers from the Office of Physical Plant's renovation crew work inside the gutted Weaver Building at University Park. The \$2.1 million facelift, funded by the University's Capital Improvement Fund and state money provided by Operation Jump Start, includes work to both the interior and the exterior of the 80-year-old structure. For more photos and information, see page 15. Photo: Greg Grieco

## Schreyers issue "Million-Dollar Challenge"

Board of Trustees chairman William A. Schreyer and his wife, Joan, have pledged a challenge grant of \$1 million to The Campaign for the Library. The grant is contingent on faculty and staff committing \$2 million before June 30 for University programs of their choice.

The campaign aims to raise \$10 million in private gifts to expand Pattee Library at University Park.

Bill Schreyer is chairman of the board of New York-based Merrill Lynch and Co., Inc. He said he and Joan Schreyer hoped the "Million-Dollar Challenge" would strengthen Penn State at a time of extraordinarily lean budgets. (See related stories on Page 16.)

Faculty and staff gifts are important not only in themselves but they also send a powerful message to alumni and friends of the University," he said. "Other people take notice when they see that members of the Penn State community are willing to help themselves."

The Schreyers are members of a volunteer committee that is leading The Campaign for the Library. The committee is chaired by Joe Paterno.

"We welcome the challenge that the Schreyers have set before us," President Thomas said. "It reflects their deep personal commitment to Penn State, and it has the potential to benefit each of our colleges and campuses."

Faculty and staff support is more critical than ever to our academic enterprise. "I am confident that the University community will be inspired by the Schreyers' generosity."

Coach Paterno noted that, not counting the Schreyers' commitment, gifts and pledges to The Campaign for the Library total \$5 million.

"I've known Bill and Joan Schreyer



Joan and William Schreyer

for many years," he said. "Bill has always believed in leadership by example, and there is no better example than this. The Million-Dollar Challenge is a great boost to our campaign."

The campaign was launched publicly last November and is scheduled to conclude Dec. 31. Private gifts will be combined with \$14.8 million in state funds to build a multi-story addition to East Pattee.

Under the terms of the challenge, faculty and staff may give or pledge to the program of their choice at any University location. All commitments made between July 1, 1992, and June 30, 1993, will be counted. To date, gifts and pledges total \$1.4 million.

Last year, faculty and staff made 3,300 gifts totaling nearly \$1.1 million.

Bill Schreyer graduated from the University in 1948 and serves as chairman of the Penn State National Development Council, the University's highest-level fund-raising advisory board. He was first named to the Board of Trustees in 1986.

In 1987, the Schreyers endowed the

See "Challenge" on Page 14

## Four to be honored for excellence in teaching

Four University faculty members will receive the George W. Atherton Award for Excellence in Teaching at the University Awards Convocation on Sunday, March 28, in Eisenhower Auditorium at University Park.

Established in 1989, the Atherton Award honors teaching excellence at the undergraduate level. Of the four awards given, two will be presented to faculty members from Penn State Commonwealth Campuses.

The recipients are Lori J. Bechtel, assistant professor of health education at

the Altoona Campus; Deborah L. Clarke, assistant professor of English and women's studies at University Park; Sibyl L. Severance, associate professor of English at the Delaware County Campus, and M. Daniel Yoder, associate professor of music at University Park.

Dr. Bechtel, a faculty member at the Altoona Campus since 1985, specializes in comprehensive school health education curriculum development and pedagogy. She currently is the project director for a curriculum development grant

funded by the U.S. Department of Education.

She has taught health education courses such as human sexuality, death and dying, alcohol awareness, healthful living and health education methods. In 1989, she received the Outstanding Faculty/Adviser Award from the Altoona Campus Student Government Association.

Her colleagues wrote that her class preparation is meticulous and thorough. Her energy level is high and her enthusiasm for her subject and her students is

infectious. A former student writes, "She embodies all those qualities that make an ideal teacher: knowledge of her subject, academic care for her students and personal concern for their well being."

Writing on teaching, Dr. Bechtel said, "I believe the atmosphere in which learning takes place and the way people learn are as important as, if not more important, than what people learn."

Dr. Clarke, a Penn State faculty

See "Teaching" on Page 13

## Diversity summit to look at multicultural strategies

*The summit is a followup to the 1992 Assessment Summit that provided insight into the University's diversity strengths and weaknesses.*

A summit on diversity at Penn State, titled "Building Coalitions for the 21st Century," will be held April 15 and 16 at the University Park.

The primary goal will be to bring together a broad cross-section of University representatives to engage in a multicultural dialogue that will facilitate building coalitions in support of the University's diversity initiatives.

"We will highlight model programs, effective strategies for organization change and collaborate with others to apply their successes in new areas," noted Stanley Nowak, chair of the Commission on Racial/Ethnic Diversity and associate professor of Spanish, humanities and social science at the Penn State Allentown Campus.

The summit is jointly sponsored by the Commission on Racial/Ethnic Diversity, the Commission for Women

and the Committee on Gay, Lesbian and Bisexual Equity.

Conference speakers will be Evelyn Hu-DeHart, director of the Center for the Study of Ethnicity and Race in America at the University of Colorado at Boulder, and Beverly Guy-Sheftall, director of the Women's Research and Resource Center at Spellman College in Atlanta.

Dr. Guy-Sheftall's talk is co-sponsored by the Center for Women Students as part of its speaker series on "Interactive Discrimination: The Combined Effects of Racism and Sexism."

Welcoming remarks are by James Stewart, vice provost for educational equity. President Thomas will introduce Dr. Hu-DeHart.

The summit follows up on a recently distributed report that summarizes the outcomes of the Assessment Summit, held last year, sponsored by the Commission on Racial/Ethnic Diversity in collaboration with the Commission for Women and the Committee on Gay, Lesbian and Bisexual Equity.

"At the assessment summit, faculty, staff and students were provided the opportunity to gather information that will be very useful in building coalitions with the University system as we enhance the University's diversity now and into the 21st century," Dr. Nowak said.

"It also offered insights into where we can best focus our energy to continue to improve the climate for diversity at Penn State, across functional areas, geographical locations and roles."

During the assessment summit, the University's strengths and weaknesses in diversity efforts were discussed, and 70 issues over nine major categories were identified. Emerging from the roundtable discussions were themes and ideas that can provide a framework for a changed diversity environment. The ideas and their brief descriptions include:

—Minority representation among students and employees. Increasing minority representation and participation should be a prime goal as Penn State prepares for the future, according to the report.

—Representation in the decision-making processes. Summit participants emphasized that the University needs to fill more leadership roles with members of underrepresented groups.

—Commitment of resources for diversity initiatives. Such programs need to be institutionalized, rather than relying on temporary funding. Resources need to be combined where possible to be most effective. Coalitions are needed among underrepresented groups, rather than separate groups pursuing independent agendas.

—Integration of "valuing of diversity" into the reward system. The faculty promotion and tenure policy should value faculty contributions to diversity. Similarly, employees' evaluations and performance appraisals should address their accomplishments directed at fulfilling the University's diversity objectives.

—Student input into key decision-making processes. Input should be sought from students, particularly those

who have a variety of diversity experiences. More open lines of communication between employees and students may help enhance climate issues.

—Training and professional development. Students and employees at all campuses need to undergo diversity training and professional development programs.

—Work environment and support-climate. The environment inside and outside the classroom and the work environment must be supportive. There should be recognition, acceptance and support for all groups including gays, lesbians and bisexuals.

—Undergraduate education and curriculum integration. While the undergraduate curriculum includes a diversity requirement, the level of participation should be increased. Many of the faculty need to recognize better the potential for research and scholarship in diversity issues.

"If the University truly 'valued' diversity, it would build diversity into the decision-making process and take advantage of the synergy created when those using different paradigms for viewing the world are brought together," Dr. Nowak noted. "It also would ensure that those dedicated to diversity did not become casualties in a system that wants to cling to traditional dysfunctional paradigms."

For the April 15-16 summit, pre-registration is required, and the conference will be limited to 200 participants. For registration information, contact Jerri Milson, conference coordinator at (814) 865-5141; about the program, contact Puring MacDonald at (814) 863-8218.

### Commission for Women

## President of Lincoln University is keynote speaker at annual spring banquet

The Commission for Women will hold its annual spring banquet on Monday, March 22, at the Nittany Lion Inn. The pre-dinner reception begins at 6 p.m. with the banquet beginning at 6:30 p.m.

The banquet, in its eighth year, provides an opportunity for the University community to celebrate the many and varied talents and accomplishments of Penn State women. This year's keynote speaker will be Niara Sudarkasa, president of Lincoln University of Pennsylvania.

In 1987, Dr. Sudarkasa became the first woman to serve as president of Lincoln University, the formerly all-male institution chartered in 1854 as America's first college for African Americans. Prior to her tenure at Lincoln, Dr. Sudarkasa served as associate vice president for academic affairs at the University of Michigan. She received her bachelor's degree from Oberlin College, and M.A. and Ph.D. degrees in anthropology from Columbia University.

Dr. Sudarkasa is well known for her pioneering research and publications on women traders in Nigeria, trade and migration in West Africa, and African roots of African American family organization. She is a member of the Council on Foreign Relations, the Board of Directors of the American Council on

Education, the Board of Directors of the National Association for Equal Opportunity in Higher Education, the Middle States Commission of Colleges and Schools, and the Peace Corps National Advisory Council.

This year's banquet also will feature the recognition of the continuing ex-officio members of the Commission: Phyllis Belk, member, Pennsylvania Commission for Women; Sabrina Chapman, director, Center for Women Students; Lynne Goodstein, director, Women's Studies Program; Bonnie Ortz, affirmative action director, and Billie Willis, assistant vice president for human resources.

Reservations for the spring banquet may be made by calling the Commission for Women office at 865-1683.



Niara Sudarkasa

## Women's career seminars planned for March and April

The Center for Adult Learner Services and Career Development and Placement Services are co-sponsoring a "Women's Career and Life Planning Seminar Series." The series is designed to help women learn more about themselves, their career interests and options, as well as the diverse educational programs and services offered by Penn State.

The series will be held three consecutive Saturday mornings, on March 20, 27 and April 3, from 9 a.m. to noon at University Park. The sessions will feature completion of self-assessments, interest inventories, and the use of career resources.

Cost of the seminar is \$15 and advanced registration is required. If you're interested in attending, please phone 863-3887 or stop by 323 Boucke Building.

The series is sponsored by Equal Opportunity Planning Committee; State College Office, Continuing Education; Undergraduate Admissions Office; Commission for Women; Center for Adult Learner Services, and Career Development and Placement Services.



DIVERSITY

# Asian-American Awareness Weekend set

"Strength Through Diversity" is the theme of the second annual Asian-American Awareness Weekend, Friday, March 26, and Saturday, March 27, at University Park.

Activities include skits, an ethnic food reception, demonstrations, displays, a fashion show and cultural performances. Among the speakers are Anand Dyal-Chand, vice president for student affairs at Ferrum College, and Pennsylvania Judge Ida K. Chen.

Sponsors are the Asian American Student Coalition, the Penn State Filipino Association, S.M.A.R.T., Pakistan Forum, the Chinese-American Student Association, Friends of India, East Asia Society and the Korean Undergraduate Student Organization.

Friday's program tentatively plans events in 111 Chambers Building at the following times: 7 p.m., skits; 8 p.m., lecture by Dr. Dyal-Chand, "The Role of Asian-Americans on College Campuses," and 9 p.m., an ethnic food reception.

Dr. Dyal-Chand has been vice president for student affairs at Ferrum College since 1989. His

expertise is in college student affairs, and he has presented many workshops on promoting multicultural diversity.

The Saturday events, which are scheduled in 102 Kern Graduate Commons, include a discussion, a fashion show, cultural performances and an early afternoon lecture by Judge Chen.

Judge Chen is a judge of the Court of Common Pleas of Philadelphia County and is assigned to the Family Court Division. She is the first Asian American woman to be elected a judge of the Court of Common Pleas.

She has served as a trial attorney with the U.S. Equal Employment Opportunity Commission and as a commissioner on the Philadelphia Commission on Human Relations. Her current activities include membership on the boards of groups such as Southeast Asian Mutual Assistance Associations Coalition, Asian American Women's Coalition, and the BEBASHI (Blacks Educating Blacks About Sexual Health Issues).

In her talk, "Spirituality and Women," she will examine the concept of acknowledging a power greater than oneself and human limitations, specifically women as spiritual beings as opposed to being "super women."

On March 29, in another Women's History Month program, "Women Exploring New Paths," Pat Palazzolo, Pennsylvania Teacher in Space, will be the keynote speaker.

Two separate series of workshops for middle and high school female students and adults will run concurrently. Penn State McKeesport faculty and staff will discuss a variety of topics.

**PROFESSIONAL WOMEN MEET**  
Charlene Harrison, director of the Center for Adult Learner Services, will speak on "The Courageous and the Classy: Adult Learners!" Tuesday, March 30, in the Frizzell Room of Eisenhower Chapel at University Park.

The brown bag lunch meeting will begin at 11:45 a.m. with an opportunity for informal networking. The presentation will begin at 12:10 p.m. followed by a question-and-answer session.

Professional Women at Penn State is a grassroots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State Women. The group welcomes attendance by both male and female persons in all job classifications at the University.

## Worthington Scranton Campus

### Top media names to discuss sexual harassment March 25

Two nationally known political commentators will discuss sexual harassment and sexual abuse at the Penn State Worthington Scranton Campus at 7 p.m. Thursday, March 25.

Former public official Linda Chavez and Washington Post columnist Judy Mann will address an issue that has been the topic of public debate since the Clarence Thomas-Anita Hill hearings of 1991.

Ms. Chavez served as executive director of the U.S. Commission on Civil Rights during the Reagan administration. She also served as director of public liaison on the White House staff. The following year, she won the Republican nomination for U.S. Senator from Maryland, but lost in the general election.

Ms. Chavez currently heads the Center for the New American Community, which grew out of her work on multiculturalism as a John M. Olin Fellow at the Manhattan Institute. The Center seeks to foster a renewed commitment to a common American civic culture and shared identity among the diverse populations that inhabit the United States.

Judy Mann is a prize-winning columnist on the metropolitan staff of the *Washington Post*. She's been writing about the politics of the women's movement for more than a decade.

She's won many newspaper awards, including the Washington-Baltimore Newspaper Guild's first prize for interpretive writing for a series on African-Americans in the suburbs.

The author of *Mann for All Seasons: Wit and Wisdom from Judy Mann*, she has written for a wide variety of magazines, including *Ms.* and *Working Woman*.



Linda Chavez



Judy Mann

## DIVERSITY BRIEFS

### WOMEN'S HISTORY MONTH

#### PENN STATE HARRISBURG

A number of events are being held at Penn State Harrisburg in recognition of Women's History Month. Scheduled are:

Monday, March 22: Panel discussion, "Beyond Retirement: Women's Perspectives," 1 p.m.; Tuesday, March 23: Brown bag seminar, "Sexual Harassment in 19th Century England," Patricia Johnson, assistant professor of humanities and literature, 12:30 p.m.; workshop on "Communicating Genderly," 9 p.m.; Wednesday, March 24: Film and discussion, "Harlan County," 6 p.m.

Monday, March 29: Brown bag seminar, "LaMalinche, Cortes' Native American Interpreter," Tace Hedrick, assistant professor of comparative literature, 1 p.m.; Tuesday, March 30: Panel discussion, "Empowerment through Politics," noon; Wednesday, March 31: Preview, Alice Marshall Collection, a collection of women's history, Heindel Library.

#### PENN STATE MCKEESPORT

The Penn State McKeesport Campus Women's Commission will hold a luncheon for all staff, faculty, and student women March 24 in the Frable Conference Center to celebrate Women's History Month.

Keynote speaker will be Roberta McMann, coordinator of Family Services and Traditional Out Patient Counseling at Gateway Rehabilitation Center, Aliquippa.

## DIVERSITY OPPORTUNITIES CALENDAR

### Saturday, March 20

Office of Minority Faculty Development, 9 a.m.-noon, 114 Kern Graduate Building. "The Publishing Process Roundtable" is the fourth in a series of faculty development workshops. Attendance is limited to those who have participated in a previous publishing process workshop. Harold Cneatham, Department of Counselor Education, Counseling Psychology and Rehabilitation Services Education head and professor of education, will be the speaker. To make reservations, contact Leah Witzig at 863-1663.

### Through March 21

Paul Robeson Cultural Center, daily. Traveling Smithsonian photo exhibition titled "Songs of My People." is a visual exploration of Black life in America.

### Tuesday, March 23

Paul Robeson Cultural Center, 7-8:30 p.m. Inner Visions Film/Discussion Series presentation titled, "Barbershop Talk."

Center for Women Students, 7-9 p.m., 113 Carnegie Building. Women's History Month film/discussion presentation titled, "Shoulder to Shoulder."

### Wednesday, March 24

Lesbian/Gay/Bisexual Faculty/Staff and Their Allies, 5:30-7 p.m., 110 Henderson Building. Group discussion titled "The Role of Allies in Helping Lesbian, Gay and Bisexual People Achieve Equity at Penn State."

### Thursday, March 25

Women's Studies, 8 p.m., HUB Gallery. Six Feminist Scholars Speakers Series presentation titled, "Is the End of the Cold War for Women?" by Cynthia Enloe. Clark University, Massachusetts, Department of Government professor and chair.

### Saturday, March 27

Office of Minority Faculty Development, 9:30 a.m.-noon, 114 Kern Graduate Building. "External Funding and Proposal Writing" is the final in a series of six faculty development workshops this semester. Balba Bredis, College of the Liberal Arts coordinator of grants and contracts, will be the speaker. To make reservations, contact Leah Witzig at 863-1663. All junior faculty are welcome.

## Conference to encourage girls to expand career interests slated for April 17

Area eighth and ninth grade girls can work with nuclear engineers, chemists, meteorologists and other women engineers and scientists during the upcoming Expanding Your Horizons in Science, Mathematics, and Engineering conference.

The third annual EYH conference will be held from 9:30 a.m. to 3 p.m. Saturday, April 17, at University Park. March 29 is the registration deadline for the conference.

"Expanding Your Horizons conferences are geared toward encouraging girls' interest in math and science in order to expand their career options," Sharon Jadrnak Laker, director of the Women in Engineering Program and conference coordinator, said.

"In the United States, girls typically quit taking math and science courses earlier than boys, and the long-term result is that girls do not

have as many career options available to them."

More than 30 women who work in science and engineering fields will present hands-on workshops and discuss their careers and education during the conference. Several of the student workshop topics for the conference are Exploring the Atmosphere, Physics in Everyday Life, What Makes Plants Sick, and Electrical Engineering: Catch A Wave.

Participation is limited, and registration is on a first come basis. Registration forms are available from guidance offices in middle and high schools in Centre, Juniata, and Mifflin counties, or from Penn State by calling (814)865-7138. A \$6 fee includes lunch.

Parents, teachers, and counselors are invited to attend EYH.

### NEWS IN BRIEF

#### Educational Office Personnel

The Penn State Chapter of Educational Office Personnel will hold a special topic meeting, "Continuing Education Programs," at 12:10 p.m. today in Room 305 Hetzel Union Building at University Park.

Gretchen Leathers, Continuing Education area representative, and Jean Duffy, academic and vocational adviser, Continuing Education, will be the featured speakers.

The Penn State Chapter of Educational Office Professionals, a professional organization whose membership consists of faculty, staff and technical services employees, is affiliated with the Pennsylvania Association of Educational Secretaries and the National Association of Educational Office Professionals. All PSEOP special topic meetings are open to the public.

#### AAUW Used Book Sale

The 32nd Annual AAUW Used Book Sale will be held April 3 through April 7 in the Hetzel Union Building at University Park.

More than 85,000 bargain books will be on sale from 3 to 9 p.m. Saturday, April 3, and from 9 a.m. to 9 p.m. April 4 through 7.

The book sale benefits fellowships and educational projects of the State College Branch of the American Association of University Women.

#### Textbook deadlines

The Textbook Department of the Penn State Bookstore on Campus wishes to remind the faculty that the textbook submission deadlines are: Summer Intercession, April 1; Summer Session, April 1; Fall Semester, April 15.

Please submit your textbook lists to the Penn State Bookstore on Campus. If you have any questions, please contact Tom Fankhauser at 863-4373 or textbook customer service at 863-3282 or 863-3291.

#### Science writers

Davida Chamey, associate professor of English, will lead a luncheon round-table discussion sponsored by

the Penn State Chapter of the National Association of Science Writers at 11:45 a.m. Wednesday, March 24, in Room 313 Kern Building at University Park.

She will lead a discussion of "How Evolutionists Read Stephen Jay Gould."

The Penn State Chapter of the National Association of Science Writers brown bag luncheon round-table series is open to anyone interested in science communication. For more information contact, Barbara Hale, 865-2407.

#### Telephone number correction

The telephone number for the Office of the University Registrar is incorrectly listed in the Summer Sessions Bulletin on the Registration Worksheet on page 19. The number is listed as 856-6357, instead of the correct exchange of 865.

#### Think spring

The Faculty Staff Club will sponsor "Thinking Spring" from 5 to 7 tonight in the Penn State Room of the Nittany Lion Inn. This event is for all club members who are tired of winter's dreariness and want to get some color back into their lives. Featured will be hot and cold "Spring" hors d'oeuvres and good libations. Sunglasses are optional.

The cost is \$4.99 for club members and \$8.00 for guests. Those signing up for membership that evening are eligible for the member's admission price. Upon arrival, members should stop at the register in the Inn's main dining room to purchase their tickets. Club members should bring their faculty staff IDs and also make sure that their accounts have sufficient funds to cover the cost of the event.

This is the third in a series of Third Thursdays sponsored by the club as a way for faculty and staff to socialize and network. The next one will be on Thursday, April 15.

Questions can be referred to Sally Kain (swk@psulias, 865-0672) or Sandy Edwards (863-0201).

#### Volunteers needed

Healthy men and women above the age of 61 years old will receive free analysis of body composition, maximal aerobic capacity and walking ability while participating in a Noll Laboratory for Human Performance Research walking study. Both physically active and sedentary individuals are needed. If interested or for more information please call Kim Schrader at 863-0525 or 867-7109.

#### Public Lecture

The Penn State Chapter of Sigma Xi, the national scientific research society, will hold its annual public lecture at 8:30 p.m. Monday, March 29, in Room 112 Kern Graduate Center at the University Park Campus.

Alan G. Thorne, of the Department of Prehistory, Research School of Pacific Studies, Canberra, Australia, will deliver the lecture, "The Origin of the Australians: Reconsideration of Morphological and Molecular Models of Modern Human Origins."

Dr. Thorne is an internationally known authority on human evolution. His research has contributed substantially to the scientific evidence establishing the great antiquity of shared common ancestry among human populations.

#### Executive symposium

Two of the nation's top corporate executives will speak at a March 26 management symposium at Penn State Great Valley.

The speakers are Irv Bailly, chairman, chief executive officer and president of Capital Holding Corp., one of the five largest publicly traded insurance firms in the U.S., and Bill Wiggendorf, president of Motorola University and corporate vice president of training and education for Motorola Inc.

The symposium, titled "Organizations Succeeding Through Performance Improvement," is sponsored by the National Society of Performance and Instruction and Penn State Great Valley. For more information, contact Peter Dean at 648-3245.

## Trustee ballot spots determined

A drawing has been held to determine positions on the ballot for the 1993 election of trustees by alumni. The procedure for ballot placement is in line with procedures established by the University's Board of Trustees.

Paula R. Ammerman, associate secretary of the board, conducted the drawing and said ballots for the trustee election will be mailed to Penn State alumni by April 10. All ballots must be received by the close of election at 9 a.m. May 13.

Names of the five candidates for three positions on the board in alumni balloting appear in this order:

—Glenn P. Haney, '51, management consultant, Boalsburg, (retired director, Office of Information Resources Management, USDA).

—Mary Greeley Beahn, '81, '87g, labor relations specialist, Westinghouse Electric Corporation, Pittsburgh.

—Cynthia A. Baldwin, '66, '74g, Judge, Allegheny County Court of Common Pleas, Pittsburgh.

—H. Jesse Amelle, '55, attorney, Arnelle and Hastie, San Francisco, Calif.

—Joel N. Myers, '61, '63g, '71g, president, Accu-Weather, Inc., State College.

### OBITUARIES

Verna M. Criss, extension home economist, College of Agriculture, from July 1, 1934, until retirement August 1, 1961; died Nov. 10, 1992.

Natalie L. DeDuca, hostess, Dean of Women's Dept.; from Nov. 1, 1959, until disability leave July 1, 1967; died Feb. 2.

Edward W. Kyler, associate housekeeping supervisor, Housing and Food Services; from July 1, 1964, until his retirement March 31, 1984; died Feb. 25. He was 73.

Charles H. Taylor, Jr., professor of engineering, Ogontz Campus; from Sept. 1, 1964, until retirement June 30, 1984; died Feb. 5.

Lawrence J. Zimmerman, preparation technician in the Eberly College of Science; from Oct. 7, 1966 until his retirement on disability June 30, 1985; died Feb. 21 at the age of 56.

## Town-Gown Forum

Approximately 150 local business people, educators and government officials took part in a Town-Gown Forum March 2 in the Nittany Lion Inn at University Park. The forum, sponsored by the University, State College Area Chamber of Commerce and the Centre County Industrial Development Corporation, was initiated by President Thomas to explore partnerships among business, government and the University. Featured speaker, Art Dunning, executive director of the Georgia Partnership for Excellence in Education, told the forum that America's future depends on better cooperation between the business, education and government communities.



Keynote speaker Art Dunning.



Dr. Thomas addresses the crowd.



State Senator J. Doyle Corman, R-34th District, taps into his experience as a legislator to contribute to the discussion.



(Above) Patrick Powers, manager of the local office of Gwin, Dobson & Foreman Consulting Engineers, expresses his thoughts on cooperative efforts.

At right, a view of attendees.

Photos: Greg Grieco



# LECTURES

## Internationally known chef visits

Chef Louis Szathmari—internationally known chef, author, and media personality—is visiting the University through April 14 as the Walter Conti Visiting Lecturer in Hotel, Restaurant, and Institutional Management.

"Chef Louis" was owner and chef of the Bakery Restaurant, a Chicago landmark, from 1963 to 1989. He now is president of Louis Szathmari Associates, Food Systems Designers and Management Consultants, in Chicago; he also is Chef Laureate of Johnson & Wales University, Providence, RI.

In the past 30 years he has appeared in more than 1,500 television and radio shows, including Phil Donahue, Mike Douglas, Dinah Shore, Oprah Winfrey, and Good Morning America, and has been a spokesperson for a number of broadcast and print ads.

He has written several cookbooks, including *The Chef's Secret Cookbook* and *The Bakery Restaurant Cookbook*, and has edited the 15-volume *Cookery America*. He also has written for more than 500 food service, scientific,



Chef Louis Szathmari

and educational journals; has lectured at more than 30 universities; and serves on the board of the Chicago Academy of Sciences and the National Space Institute.

A native of Hungary, he holds a Ph.D. in psychology from the University of Budapest. He emigrated to the United States in 1951.

During his Penn State visit he will teach two special-topics courses in food service management, present guest lectures in several classes, offer a symposium for faculty, and give other talks and seminars.

Dr. Szathmari is the third in a series of Walter Conti Visiting Professors and Lecturers in the School of Hotel, Restaurant, and Recreation Management.

The Conti Professorship was endowed by alumni and friends of the school in honor of Walter Conti, a 1952 graduate and owner of

Conti Cross Keys Inn in Doylestown. Mr. Conti is past president of the National Restaurant Association and a past president of the Penn State Board of Trustees.

### Center for the Study of Higher Education

## Professor of phytochemistry and cell biology to lecture March 25

Eloy Rodriguez will be the third speaker in the 1992-93 Lecture Series, "What Works in Math, Science, and Engineering Classrooms," sponsored by the Center for the Study of Higher Education (CSHE).

His lecture, titled "Lighting the Fuse: Undergraduate Science Education," will be given at 7 p.m. Thursday, March 25, in 101 Agricultural Sciences and Industries (ASI) Building, at University Park. A reception will follow.

He also will present a seminar, "Novel Phytochemicals from the Amazon and African Rain Forest," at 2:30 p.m. Friday, March 26, in 108 Wartik Laboratory. For more information on the seminar, contact Hector Flores at 865-2955.

Dr. Rodriguez is professor of phytochemistry and cell biology and director of the International Chicano Studies Program at the University of California, Irvine. He currently is the principal investigator of two NIH research grants; the director of KIDS, Kids Inventing and Discovering Science; co-principal investigator of a Howard Hughes Biological Sciences Undergraduate Minority Research and Training Program; and the director of Project Storyline, a California Postsecondary Education Commission Grant.

His successes as both a research biologist and committed educator have brought Dr. Rodriguez national attention. Author and co-author of over 10 scientific articles, his research has been featured in national science magazines. In his lecture at University Park, he will describe how he uses "hands-on" science in his undergraduate classes.

Dr. Rodriguez's approaches to undergraduate science education fit with the aim of the Center for the Study of Higher Education's 1992-93 Lecture Series, which is to encourage dialogue among members of the university com-

munity about how to improve the context for learning in introductory math, science, and engineering courses.

The first speaker in the series was Uri Treisman, profes-



Eloy Rodriguez teaching youngsters about science.

sor of mathematics at the University of Texas at Austin and director of the Dana Center for Innovation in Mathematics Education. The second speaker was Gretchen Kalonji, Kyoceera professor of materials science at the University of Washington, and the principal investigator of the NSF-sponsored Engineering Coalition of Schools for Excellence in Education and Leadership (ECSEL)-Washington.

### Penn State Harrisburg

## Information technology specialist to present program

Ching-chi Chen, professor and associate dean of the Graduate School of Library and Information Science, at Simmons College, will present her innovative PROJECT EMPEROR-I program at 7 p.m. Wednesday, March 24, at Penn State Harrisburg.

Dr. Chen's international reputation stems from the development of new technology applications for informa-

tion management in libraries and information centers. PROJECT EMPEROR-I, a unique multi-media technology integration project, uses cutting-edge hybrid computer and optical technologies to present and interpret the First Emperor of China's magnificent terracotta figures of warriors and horses.

A Fellow of the American Association for the Advancement of

Science, Dr. Chen is the author and editor of 25 journals on information technology and management; author of more than 100 scholarly journal articles, and founding editor-in-chief of *Microcomputers for Information Management*.

The program is free to the public. For further information, contact the community relations office at 948-6272.

## Berkeley statistics professor to present lectures

Terry Speed, chair of the Department of Statistics and professor of statistics at the University of California at Berkeley, will deliver a series of public lectures through the Department of Statistics Distinguished Lecture Series from March 24 through March 26 at University Park. These lectures are free to the public.

Professor Speed will present four lectures on the general theme "Statistical Challenges in Molecular Evolution." The first lecture, Wednesday, March 24, in 114 Osmond Building, at 8 p.m., is titled "Molecular Evolution: One Statistician's Perspective." Second in the series will be a lecture on "Models and Methods for Inferring Evolutionary Trees from DNA and Protein Sequence Data" to be presented on Thursday, March 25, at 11 a.m. in Room 201 Classroom Building.

The third lecture, being held in 360 Willard Building at 4 p.m. Thursday, March 25, discusses "Statistical Problems in the Evolution of Populations of Molecules." The final portion of this Distinguished Lecture series is scheduled for Friday, March 26, in 104 Classroom Building at 1:30 p.m. The topic is "Linear Invariants and Fourier Analysis in Phylogenetic Inference."

Dr. Speed, educated in Australia, received his Ph.D. from Monash University in 1969. He is a Fellow of the American Statistical Association, and the Institute of Mathematical Statistics, and an elected member of the International Statistical Institute. He is also a member of a number of mathematical and statistical societies in Australia, the United States and the United Kingdom. Dr. Speed currently serves as a member of the Advisory Committee of the National Science Foundation Division of Mathematical Sciences.



Terry Speed

## LECTURES continued

### Russell Marker Lectures

## Yale professor to discuss mathematics March 22 - 25

George D. Mostow, Henry Ford II professor of mathematics at Yale University, will present the 1993 Russell Marker Lectures in the Mathematical Sciences March 22-25 at University Park. The four-lecture series, "Rigidity and Arithmeticity," is sponsored by the



George D. Mostow

Eberly College of Science and is free to the public.

Dr. Mostow is a leading world authority on discrete subgroups of Lie groups, mathematical objects responsible for the global "shape" of spaces with many local symmetries, including fundamental spaces that appear in geometry and physics.

One of his most seminal achievements is the Mostow rigidity, which asserts that all geometric spaces with local symmetries can be understood algebraically and are, therefore, amenable to calculations. His upcoming lectures will feature a broad survey of his fundamental works. His final lecture in the series will focus on his own most recent work.

The schedule includes: "A Survey," 8 p.m. Monday, March 22, 119 Osmond Laboratory; "Rigidity of Negatively Curved Spaces," 4 p.m. Tuesday, March 23, 110 Wartik Laboratory; "Super-Rigidity," 4 p.m.

Wednesday, March 24, 111 Wartik Laboratory, and "Non-Arithmeticity and Hypergeometric Functions," 4 p.m. Thursday, March 25, 110 Wartik Laboratory.

A professor of mathematics at Yale University since 1961, Dr. Mostow served as chair of the university's mathematics department from 1971 to 1974. He has held visiting professorships at numerous institutions, including the University of Paris, France; Hebrew University, Jerusalem; and Tata Institute of Fundamental Research, Bombay.

Dr. Mostow has been an elected member of the National Academy of Sciences since 1974 and of the American Academy of Arts and Sciences since 1976. He served as president of the American Mathematical Society from 1987 to 1988, as a member of the scientific advisory committee of the Mathematical Sciences Research Institute from 1988 to 1991, and as a board of trustees member of the Institute for Advanced Study from 1983 to 1992.

Prior to joining the faculty at Yale, he held faculty positions at Johns Hopkins University from 1952 to 1961. From 1957 to 1958, he was a Fulbright Research Scholar at Utrecht University and a Guggenheim Fellow.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in astronomy and astrophysics, the chemical sciences, evolutionary biology, genetic engineering, and the physical sciences.

### Penn State Harrisburg

## American Studies lecture to be given by Notre Dame professor March 22

Thomas Schlereth, professor of American studies at the University of Notre Dame, is the featured lecturer in the 1993 American Studies Lecture Series at Penn State Harrisburg.

He will speak and show slides on "Victorian America on Display: The Philadelphia Centennial Exposition of 1876 and the Chicago Columbian Exposition of 1893" at 7 p.m. Monday, March 22, in the Gallery Lounge of the Olmsted Building.

Dr. Schlereth has an international reputation as a leading scholar of American material culture and Victorian studies. In addition to teaching and directing the American Studies Program at the University of Notre Dame, he has taught at the University of Hawaii, University of Calgary, and Grinnell College.

## H&HD faculty member to present good news about chocolate

"Chocolate and Cholesterol: Some Good News" is the topic of a research lecture by Penny Kris-Etherton, professor of nutrition, at 8 tonight in the HUB Assembly Room at University Park.

Dr. Kris-Etherton is a 1993 recipient of the Evan C. and Helen G. Pattishall Outstanding Research Achievement Award, sponsored by the College of Health and Human Development. The award recognizes a faculty member for outstanding research contributions occurring or culminating within the past several years; the recipient presents an evening lecture highlighting his or her research.

Dr. Kris-Etherton, who studies the relationship between diet and coronary heart disease, has found that stearic acid (found in chocolate) is a saturated fatty acid that does not raise blood cholesterol levels, and, unlike other saturated fatty acids, it does not promote blood clots, another risk factor for heart disease.

She has earned two national awards for her work: the 1991 Lederle Award in Human Nutrition from the American Institute of Nutrition and the 1989 Achievement Award from the Sports and Cardiovascular Nutritionist Practice Group of the American Dietetic Association.

The Pattishall Award was endowed by Evan Pattishall, dean emeritus of the former College of Human Development, and his wife, Helen, a graduate of the college.

This year's other Pattishall Award recipient, Michael Smyer, professor of human development, will present a lecture on "Mental Health Services in Nursing Homes: Still Crazy After All These Years" on April 29.



Penny Kris-Etherton

## March 22 at University Park DNA transfer is subject of Pollard Lecture

Eugene Nester, professor of microbiology at the University of Washington, will present the 1993 Ernest C. Pollard Lecture at 4 p.m. Monday, March 22, in Room 101 Althouse Laboratory at University Park.

The lecture, "Crown Gall: DNA Transfer from Bacteria to Plants," is sponsored by the Department of Molecular and Cell Biology and is free to the public.

Other researchers have called Dr. Nester's contributions "the key that opened the door to work in modern plant biotechnology." His pioneering research on the bacteria that cause crown gall tumors on plants led to a system for the genetic engineering of plant cells.

Dr. Nester was one of the first to recognize the importance of the tumor inducing, or Ti, plasmid found in bacteria that cause crown galls. He demonstrated that this bacterial plasmid could be incorporated into plant cells and developed methods for redesigning and using the plasmid to genetically engineer plants.

Among his many honors, he has received the 1990 Inaugural Australia Prize, which he shared for his discoveries, and the 1991 Cetus Biotechnology Research Award from the American Society for Microbiology for his outstanding contributions in biotechnology. He also has coauthored four microbiology textbooks.

Dr. Nester has been a faculty member at the University of Washington since 1962 and currently is chairman of the Department of Microbiology. He earned his bachelor's degree in bacteriology at Cornell University and his doctoral degree at Case Western Reserve University. His fascination for the power of microbial genetics stems from his post-doctoral work with Joshua Lederberg at Stanford University.

The Ernest C. Pollard Lecture honors Ernest C. Pollard and is made possible through donations from his friends, colleagues and associates. Dr. Pollard, who taught at Penn State as a professor of biophysics from 1961 to 1971, founded the Biophysics Department, which in 1979 merged with the Microbiology and Biochemistry departments to form the present Department of Molecular and Cell Biology.

The Department of Molecular and Cell Biology has incorporated the Pollard Lecture into a program of spring 1993 lectures. The remaining lecture in the series is the Russell Marker Lectures in Genetic Engineering, sponsored by the Eberly College of Science, April 19-22, with Mario Capecchi of the Howard Hughes Medical Institute at the University of Utah.



Eugene Nester

### Chamber Choir

The Penn State Chamber Choir will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel at University Park. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include selected music for double choruses, several settings of "Ave Maria" and compositions by Bruce Trinkle, associate professor of music.

The concert is free to the public.

### Art exhibit

"Cat Food Be Not Proud: A Dialogue," an exhibit consisting of work by 13 graduate students in the Art Education Department of the School of Visual Arts, is on display through April 30 in the Chambers Gallery at University Park.

The exhibit will feature work in ceramics, photography, drawing, painting, mono-prints, line prints, mixed media, assemblage and installations. Art Education graduate students

#### Paul

Briggs, Booker Stephen Carpenter II, Lydia Dambekalis, Steve Darnell, Sheila A. Gilmartin, Gay Green, Laura K. Guinan, Jill Hoffman, Ningyu Jiang, Kate Keely, Michael E. Mops, Christine Morris and Debra Tate have submitted work to the exhibit.

A reception for the artists will take place from 5 to 7 p.m. Friday, March 19, in the Chambers Gallery.

The gallery is located on the second floor of Chambers Building. It is open 9 a.m. to 5 p.m., Monday through Friday. The exhibit is free to the public.

### Dance company

The critically acclaimed Paul Taylor Dance Company will perform at 8 p.m. Friday, March 19, in Eisenhower Auditorium at University Park.

Celebrating its 38th year, the Paul Taylor Dance Company continues to captivate audiences and critics worldwide. It has made 42 overseas tours to 54 countries in addition to its United States performances in more than 300 cities.

The program will include "Esplande," "Last Look" and the popular "Company B." At 7 p.m. Friday, March 19, a company member will host "Artistic Viewpoints," a discussion of the program that will offer insights on the works to be performed.

For ticket information, call

the Eisenhower Auditorium Ticket Center between 8:30 a.m. and 4:30 p.m., Monday through Saturday at (814) 863-0255.

### Copland contemporary

"Aaron Copland: A Self-Portrait," a documentary detailing the life of the American composer, will be presented at 2 p.m. Saturday, March 20, in Schwab Auditorium at University Park. Robert Hatton, assistant professor of music, will host the event.

Written by Vivian Perlis and produced by Ruth Leon, the 1985 documentary details Copland's life through interviews with the composer, his colleagues and students. The 60-minute film is offered in conjunction with the March 20 performance of a Copland composition by the Chamber Music Society of Lincoln Center at 8 p.m. in Eisenhower Auditorium at University Park.

For ticket information regarding the Eisenhower Auditorium performance by the Chamber Music Society of Lincoln Center, call (814) 863-0255.

The Copland documentary is free to the public.

### Odyssey on WPSU

"A Grain of Actuality Begins the Program," the next episode in the Odyssey Through Literature radio series, focuses on the poetry of John Balaban, former professor of English at Penn State and now director of the writing programs at the University of Miami.

Beginning with Professor Balaban's translation of Ca Dao, the traditional Vietnamese oral poetry, he and host Leonard Rubinstein discuss poetry as "a record of a system of belief."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Juried exhibit

The Undergraduate Juried Exhibit is on display through March 30 in the Zoller Gallery of the Visual Arts Building at University Park campus. Featuring works by students from University Park and the Commonwealth Campuses, the exhibit is open to students who were enrolled in art classes in the School of Visual Arts during the 1992-93 academic year.

John Vanco, director of the Erie Art Museum, served as juror for the exhibit. From the 294 student works submitted, Vanco has selected 85 for the exhibition.

Zoller Gallery hours are 9 a.m. to 5 p.m., Monday through Friday; 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

Admission to the exhibition is free to the public.

### Chamber music

The country's oldest and most influential chamber music ensemble, The Chamber Music Society of Lincoln

Center, will perform at 8 p.m. Saturday, March 20, in Eisenhower Auditorium at University Park.

The program will include Mozart's Quartet for Piano and Strings in G Minor, Copland's "Vitebsk" for Piano, Violin, and Cello, and Schubert's Quintet in C Major.

At 7 p.m. Saturday, March 20, cellist Fred Sherry will host "Artistic Viewpoints," a discussion of the program that will offer insights on the works to be performed.

For ticket information, call the Eisenhower Auditorium Ticket Center, open 8:30 a.m. and 4:30 p.m., Monday through Saturday at (814) 863-0255.

### French Horn Ensemble

The Penn State French Horn Ensemble will present a concert at 8 p.m. Monday, March 22, in the School of Music Recital Hall at University Park.

The program will include works by Garcia and LoPrest as well as arrangements by Verdi, Rachmaninoff, Mendelssohn, Saint-Saens, Johann Strauss and Percy Grainger.

Under the direction of Lisa O. Bontrager, assistant professor of music, the ensemble consists of 15 musicians, including 13 undergraduates, one alumna and assistant director and librarian Trent House who is a master's degree candidate in horn performance.

The concert is free to the public.

### Symposium scheduled

In an exploration of the controversial removal of a print of Goya's "The Naked Majas" from a University classroom in November 1991, the College of Arts and Architecture, the School of Visual Arts and Penn State Continuing Education is sponsoring a symposium, "Sex, Censorship, and the University Classroom: Goya's Maja Maligned?," from 8 a.m. to 9 p.m. Tuesday, March 23, in the Keller Conference Center Auditorium at University Park.

"The Naked Majas" was removed from room C-203 of the Penn State Schuylkill Campus at the request of a female faculty member, on the grounds that the painting, a nude, "made it difficult for her to appear professional" and imparted "a chilling effect" on the classroom environment.

In support of her, the Penn State Affirmative Action Office ordered the Goya classic removed from the classroom, defending its action by asserting the painting's presence in the classroom was in violation of the law concerning sexual harassment. The painting was rehung in a study room in the campus community center and the subsequent controversy surrounding the Goya's relocation became the subject of international report and comment.

The March 23 symposium has grown out of a research project undertaken by Albert A. Anderson and Charles R. Garoian, associate professors of art education. They compiled a comprehensive document of news articles and commentaries pertaining to the controversy from diverse sources including *USA Today*, *The London Times*, *The*

*Washington Post* and *Time* magazine. The volume of articles and commentary will serve as a context for discussion.

Presenting at the symposium will be Dr. Anderson; Mary Lou Krumrine, associate professor of art history; Elizabeth Garber, assistant professor of art education; E. Louis Lankford, associate professor of art education, The Ohio State University; and Steven C. Dubin, associate professor of sociology, The State University of New York at Purchase, N.Y.

The program also will feature a panel discussion between Micaela Amato, associate professor of art; William Kelly, associate professor of theatre and integrative arts, and

Veronica Burns Lucas, assistant professor of landscape architecture. The panel discussion will be moderated by Robert Ashley, executive director of the Centre Daily Times.

The program will conclude with "Naked Controversy," a mixed media performance by Dr. Garoian. The performance is free to the public.

The registration fee for the symposium is \$30 for non-students; \$5 for students. An additional fee of \$18 will be charged to those wishing to participate in the symposium banquet. For further information regarding fees and registration, please contact Chuck Herd, conference coordinator, at (814) 863-1744.

### "Porgy and Bess"

George and Ira Gershwin's folk opera, "Porgy and Bess," will be performed at 8 p.m. Wednesday, March 24, in Eisenhower Auditorium at University Park.

Rarely performed today due to the protectiveness of the Gershwin estate, "Porgy and Bess," which opened in 1935, weaves pride and prejudice, pathos and passion. George Gershwin's score, coupled with the lyrics of brother Ira and DuBose Heyward, unfolds through such memorable and haunting pieces as "Summertime," "It Ain't Necessarily So" and "I Got Plenty of Nuttin'."

Bruce Trinkle, associate professor of music, will host an "Artistic Viewpoints" discussion at 7 p.m. Wednesday, March 24, in the Eisenhower Auditorium Greenroom.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

### Visual Arts lecture

David Hirsch, New York City writer on lesbian and gay representation in the visual arts, will present a lecture, "Survival: Art About AIDS," at 8 p.m. Wednesday, March 24, in Room 101 Chambers Building at University Park.

The lecture is the first in the series, "Sexual Orientation and the Visual Arts," sponsored by the School of Visual Arts as an education opportunity for the university community and the general public.

Mr. Hirsch has published hundreds of articles for various newspapers and journals nationwide. He also is involved in the production of several cable television programs in the New York City area that serve as a forum for the discus-



# University Park Calendar

## March 18 — 28

### SPECIAL EVENTS

**Thursday, March 18**  
 Union Programs and Operations, noon, Kern Lobby. Noontime concert featuring the Singing Lions.  
 Bach's Lunch, 12:10 p.m., Helen Eakin Eisenhower Chapel. The Penn State Chamber Choir.  
 Educational Office Personnel, 12:10-12:50 p.m., 305 HUB. Gretchen Leathers and Jean Duffy on "Penn State Continuing Education Programs."  
 HHD, 8 p.m., HUB Assembly Room. Penny Kris-Etherton on "Chocolate and Cholesterol: Some Good News."

**Friday, March 19**  
 Annual Bicycle Auction, Salvage Warehouse. For more information, contact 865-4371.  
 Block and Bridle Club Spring Judging, Ag Arena, through March 20.  
 Graduate Research Exhibition, HUB Ballroom, also March 20.  
 Geography, 3:30 p.m., 319 Walker Bldg. Bob Riley on "Looking (I) at the Everyday (?) Landscape."  
 Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. A member of the Paul Taylor Dance Co. on "Artistic Viewpoints."  
 Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. The Paul Taylor Dance Company. Tickets required.

**Saturday, March 20**  
 Shaver's Creek, 7:30-10 a.m. Bird Breakfast.  
 Minority Faculty Development, 9 a.m.-noon, 114 Kern Graduate Bldg. Harold Cheatham on "The Publishing Process Roundtable."  
 Shaver's Creek, 1-3 p.m.: Bluebird Box Workshop.  
 Center for the Performing Arts, 2 p.m., Schwab Auditorium. Aaron Copland: A Self-Portrait. Tickets required.  
 Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. Fred Shery on "Artistic Viewpoints."  
 Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Chamber Music Society of Lincoln Center. Tickets required.

**Sunday, March 21**  
 Literary Antisemitism/Provisional Program, 10 a.m.-5:30 p.m., Assembly Room, Nittany Lion Inn.  
 Shaver's Creek, 11 a.m.-4 p.m. Maple Sugaring Open House.  
**Monday, March 22**  
 Comparative Literature, 12:15 p.m., 101 Kern Bldg. Michael Noydan on "Translating Maria Tslava."  
 Ernest C. Pollard Lecture, 4 p.m., 101 Altohouse Lab. Eugene Nester on "Crown Gall: DNA Transfer from Bacteria to Plants."  
 Commission for Women's Spring Banquet, 6 p.m., Nittany Lion Inn. Reservations required.

■ **German Films, 8 p.m., 123 Chambers.** "Emilia Galotti" with English subtitles.  
 Marker Lectures in Mathematical Sciences, 8 p.m., 119 Osmond Lab. George D. Mostow on "A Survey."  
 School of Music, 8 p.m., Recital Hall. Penn State Horn Ensemble, Lisa O. Bontrager, director.  
**Tuesday, March 23**  
 Arts and Architecture, Visual Arts, and Continuing Education, 8 a.m.-9 p.m., Keller Conference Center. Symposium on "Sex, Censorship, and the University Classroom: Goya's *Maja Melancholic*?"  
 School of Communications, 11:45 a.m.-1 p.m.,

101 Carnegie. Tom Keller on "Applications of Film and Video in Public Education and Policy."  
 Union Programs and Operations, noon, Kern Lobby. Noontime concert featuring The Ballynary Trio.

Marker Lectures in Mathematical Sciences, 4 p.m., 110 Wark Lab. George D. Mostow on "Rigidity of Negatively Curved Spaces."  
 University Libraries' Electronic Engineering Resources Seminar, 7 p.m., Training Lab/C402 Pattee Library. Bonnie Osit will demonstrate electronic databases available through LIAS.

■ **Film Discussion Presentation, 7-9 p.m., 113 Carnegie Bldg.** "Shoulder to Shoulder," commemorates the 70th anniversary of the British Suffrage Movement's victory. Also shown March 30.  
 Contemporary Scholarship on Lesbian and Gay Lives, 8 p.m., 101 Agricultural Sciences Bldg. Jewelle Gomez on "Romance and Mythology: Where Can We Get If? Do We Need It?" Also March 30.

**Wednesday, March 24**  
 Beel Expo, Ag Arena, through March 28.  
 Storytelling program, 10-11 a.m., Penn State Bookstore. Featuring Kathleen Barry.

Marker Lectures in Mathematical Sciences, 4 p.m., 111 Wark Lab. George D. Mostow on "Super Rigidity."  
**John W. Oswald Lecture, 5:30 p.m., Old Main Rotunda.** Douglas Covington on "The History of Historically Black Colleges and Universities."

Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. Bruce Thirney on "Artistic Viewpoints."  
 Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "Porgy and Bess," tickets required.

School of Music, 8 p.m., Recital Hall. The Pennsylvania Oulet, Penn State's wind faculty chamber ensemble.  
 Visual Arts, 8 p.m., 101 Chambers Bldg. David Fish on "Survival: Art About AIDS."

**Thursday, March 25**  
 Union Programs and Operations, noon, Kern Lobby. Noontime concert featuring Paul Young.

Marker Lectures in Mathematical Sciences, 4 p.m., 110 Wark Lab. George D. Mostow on "Non-Attractivity and Hypergeometric Functions."

■ **Society for International Development, 6 p.m., 222 Boucke Bldg.** Informational/Pizza Mixer.

Center for Higher Education, 7 p.m., 101 ASI Bldg. Eloy Rodriguez on "Lighting the Fuse: Undergraduate Studies in Education."

■ **Tri-Service Symposium, 7:30 p.m., Eisenhower Auditorium.** "Gulf War and the Future of Joint Operations."  
 School of Music, 8 p.m., Recital Hall. Penn State Philharmonic, Douglas Meyer, conductor.

Feminist Scholars, 8 p.m., HUB Gallery. Cynthia Cole on "The End of the Cold War: Good for Women? A Feminist Perspective."

**Friday, March 26**  
 Asian-American Awareness Week, 11 Chambers, through March 27. Theme is "Strength Through Diversity."  
 Union Programs and Operations, noon, Kern Lobby. Noontime concert featuring Gordon Law and Friends, a modern jazz group.  
 Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Mac Post on "Terrestrial Vegetation, and the Global Carbon Cycle."  
**Saturday, March 27**



"Porgy and Bess" at Eisenhower - The George and Ira Gershwin folk opera "Porgy and Bess" will be performed at 8 p.m. Wednesday, March 24, in Eisenhower Auditorium at University Park.

Minority Faculty Development, 9:30 a.m.-noon, 114 Kern Bldg. Babba Briedis on "External Funding and Proposal Writing."  
 Shaver's Creek, 1:30-4 p.m. Native American Program III/Display of Artwork and Various Handicrafts of Pennsylvania Native Americans.  
 Shaver's Creek, 2:30 p.m. In Like a Lion, Out Like a Lamb.

**Sunday, March 28**  
 School of Music, 4 p.m., Recital Hall. Penn State Women's Chorus, Lynn Ellen Drafal and Elizabeth S. Tighman, conductors.  
 School of Music, 8 p.m., Recital Hall. Steven Smith, chair.

### CONFERENCES

**March 17-March 19**  
 PP & L Leadership Forum, 25 attendees, Nittany Lion Inn. M. Mencher, chair.

**Friday, March 19**  
 Conference on Educational Innovation, 200 attendees, Nittany Lion Inn. Robert Nicely, chair; Roger Maclean, coordinator; through March 20.

**Saturday, March 20**  
 Crisis Intervention, 75 attendees, Nittany Lion Inn. Joe French, chair; Jack Sinclair, coordinator.

NRA Coach Certification, 20 attendees, local hotels/motels. Jack Sinclair, coordinator; through March 21.

**Sunday, March 21**  
 Developing Managerial Effectiveness Program, 20 attendees, Nittany Lion Inn. J. Rose, chair; through March 26.

**Monday, March 22**  
 Small Water System Design Workshop, 12 attendees, Nittany Lion Inn. David Long, chair; Eric Loop, coordinator; through March 26.

**Wednesday, March 24**  
 Leadership Training Program, 60 attendees, Nittany Lion Inn. B. Hartman, chair; Carolyn Anderson, coordinator; through March 25.

Fundamentals of Surface Mining, 12 attendees, Nittany Lion Inn. Barry Phelps, chair; Barb Impelator, coordinator; through March 26.  
 PP & L Leadership Forum, 25 attendees, Nittany Lion Inn. J. Mencher, chair; through March 26.

**Thursday, March 25**  
 Medieval Studies Conference, Nittany Lion Inn, through March 27. "The Stage as Mirror: Civic Theatre in Late Medieval Europe." A medieval banquet on March 25 will feature a performance of the biblical play, "Susannah and the Elders."

**Saturday, March 27**  
 Leaders of the Future, 150 attendees, Keller Conference Center. D. Cragie, chair; Nancy McCord, coordinator.

**Sunday, March 28**  
 Industrial Sales Management Program, 25 attendees, Nittany Lion Inn. P. Bennett, chair; J. Mencher, coordinator; through April 2.

### SEMINARS

**Thursday, March 18**  
 Physics, 3:30 p.m., SS Osmond Lab. Wolfgang Sandner on "Laser Excited Planetary Atoms."

Instructional Development, 3:30-5 p.m., 118 ASI. Nancy S. Work on "Dealing with Diversity and Differences in the Classroom."  
 Computer Science, 4 p.m., 325 Whitmore Lab. Marek Karpinski on "Simulating Threshold Circuits by Majority Circuits."

Gerontology, 4-5 p.m., 106 Mitchell Bldg. Fred Etzler on "Health Care Reform: Impacts on the Elderly."

**Saturday, March 20**  
 Adult Learner Svcs., Career Development/Placement Svcs., 9 a.m.-noon, 321 Boucke Bldg. "Women's Career and Life Planning Seminar Series," also March 27, and April 3.

**Monday, March 22**  
 Agricultural and Biological Engineering, 12:20-1 p.m., 239 Agricultural Engineering Bldg. Sidney H. Deck on "Neural Networks vs. Traditional Classifiers for Machine Vision Inspection of Produce," and Leon W. Helsey on "Automation of an Intermittent Overhead Sprinkling Frost Protection System for an Apple Orchard."

**Tuesday, March 23**  
 Plant Pathology, 1:25-1 p.m., 112 Buckhout Lab. George J. King on "Nematotoxicity in Rapeseed."

# CQI

Continuous  
Quality  
Improvement

A bi-weekly column to keep the University community updated on CQI activities.

## FINAL REPORT GUIDES

Clare Kristofco, from the College of Engineering, has developed a guide for writing final team reports. Several teams have already taken advantage of this guide. Those who have used this guide have reported it was quite helpful. If your team would like a copy of the guide, or a copy of the recently submitted final team report from The Smeal College of Business Advising Center Team, please contact the CQI Center.

## CQI TEAM FAIR

Be sure to come to the CQI team fair on Tuesday, April 20, 1993, from 11 a.m.-3 p.m. in the HUB Ballroom at University Park. The public is welcome and CQI teams are invited to showcase their efforts and demonstrate how CQI has improved quality.

## FACILITATOR SURVEY

In the spirit of CQI, the CQI Center is surveying current facilitators to learn more about the facilitator training process. Team facilitators are one of the CQI Center's prime customers and we hope this survey will help us improve the quality of the facilitator training process.

## MEET BETH METEER

CQI facilitators met at the Nittany Lion Inn on Feb. 24, where facilitators had a chance to meet Beth Meteer. Beth is a human resource specialist with a background in statistics and is available to CQI teams for statistical support.

## NEW MATERIALS AVAILABLE

1. Case study on "Academic Advising Center CQI Team: Interviewing Customers, Constructing Pareto Charts, and Writing an Issue Statement." Beginning CQI teams will find this case study particularly helpful as it walks the reader through steps 1 and 2 in the problem-solving model.

2. "Competitive Benchmarking: What It Is and What It Can Do For You." The brochure was published by XEROX and we are confident that teams currently using CQI will find it extremely useful.

## FUTURE TEAMS

We will soon have several new teams. Teams are currently forming to examine the following processes:

- the procurement of scientific equipment;
- the transition of students of The Smeal College of Business Administration from the Commonwealth Campuses to University Park;
- faculty searches in the University Libraries;
- the hiring process in the College of Health and Human Development;
- IBS within the Eberly College of Science;
- payroll voucher signatures in the Controller's Office.

Questions about CQI should be directed to the CQI Center, University Park, (814) 865-8721.

## CQI TALK



Discussing Continuous Quality Improvement initiatives at the University during a meeting of the House of Representatives Education Committee at the Nittany Lion Inn are, from left, John A. Brighton, executive vice president and provost of the University; Ronald R. Cowell, D-Pittsburgh, committee chair; Gregory L. Geoffrey, dean of the Eberly College of Science, and J.D. Hammond, dean of The Smeal College of Business.

Photo: Greg Grieco

# Arts

## Continued from Page 8

sion of issues pertaining to gay and lesbian artists. He currently is developing a book on contemporary gay and lesbian artists.

The lecture is free to the public.

## Pennsylvania Quintet

The Pennsylvania Quintet, Penn State's wind faculty chamber ensemble, will present a recital at 8 p.m. Wednesday, March 24, in the School of Music Recital Hall at University Park.

The members of the quintet, all faculty members in the School of Music, are: Eleanor Duncan Armstrong, flute; Barry Kroeker, oboe; Smith Toulson, clarinet; Lisa O. Bontrager, horn; and Daryl Durran, bassoon.

The program will include Beethoven's String Quartet, Op. 18, No. 5, in a transcription for winds by quintet bassoonist Daryl Durran; Eugene Bozza's "Variations sur un theme libre" and a setting by Gordon Davies of Georges Bizet's "Jeux d'enfants."

## Slavic Folk Festival

The 15th annual Penn State Slavic Folk Festival will be held from 10 a.m. to 10 p.m. Friday, March 26, and Saturday, March 27, and from 1 to 6 p.m. Sunday, March 28, in the ballroom of Hetzel Union Building at University Park.

The festival showcases cultural achievements of Pennsylvania's Slavic-American ethnic groups, featuring exhibits, demonstrations of folk art and live performing groups. There will be book and artifact booths, an ethnic snack bar and special events for children on Friday morning, including a folk dance demonstration and instruction, as well as dramatized folk tales with audience participation.

At 7 p.m. the Penn State Internationale Dancers will perform, and the Polka Players will present music for listening and dancing

from 8 to 10 p.m. with a polka and a waltz contest.

The Saturday program will include the Czechoslovak-Moravian Club Dancers of Endicott, N.Y.; the Slavine Folk Ensemble from McKees Rocks, and the Kazka Ukrainian Folk Ensemble from the Northampton area. The Saturday evening program will feature the Zama Folk Orchestra from King of Prussia, playing music for listening and dancing.

The Sunday program will include performances by the Polonia-Polish Dancers and the Slovenian Heritage Association Folklore Ensemble, both from the Pittsburgh area. A repeat performance by the Penn State Internationale Dancers will round out the Sunday program.

There will be special exhibits by the Slovak Museum of Middletown, and demonstrations of various folk arts throughout the festival, with the Miskovsky family of State College demonstrating Ukrainian Easter egg decoration. Trices Tesar of the New York Tri-City area will demonstrate Czech egg art on Saturday afternoon.

Exhibits of Czech, Slovak, Slovenian, Ukrainian, Polish, Croatian and Russian folk arts will be on display throughout the festival which is sponsored by the Penn State Department of Slavic Languages, headed by Michael Naydan, and the Penn State chapter of Dobro Slovo, the national Slavic studies honor society. Loraine Kapitanioff, chapter adviser, is coordinator of the festival, and Anna Mary Smalley is the snack bar manager. There is no admission charge for all the programs.

A preliminary program of festival events or further information is available from Linda Rader, festival secretary, at (814) 865-1352.

## ARTS AT . . .

### Altoona Campus

Three exhibits are on display in the Sheetz and McLanahan Galleries at the

Penn State Altoona Campus through April 3.

Two shows, "Organic Spirit" by Sue Amendolara, jewelry designer and metalsmith; and "A View From Within" by watercolor artist Carol Solowigh Scanlan, are on display in the McLanahan Gallery.

Displayed in the Sheetz Gallery is "The Art of Assemblage: 20 Years of Recycling" by Ken Kuhn, associate professor of visual art at the Altoona Campus. All three shows will be open through Saturday, April 3.

Admission is free and the galleries are open to the public Mondays, Wednesdays, and Fridays, 9 a.m. to 5 p.m.; Tuesdays and Thursdays, 1 to 9 p.m.; Saturdays, noon to 5 p.m.

### Ogontz Campus

A multi-media exhibit, featuring the works of three artists and a variety of craftsmen, will be held in the Woodland Library of the Penn State Ogontz Campus, April 4 through May 1, during normal library hours (8 a.m. to 5 p.m. Monday-Thursday, 8 a.m. to 5 p.m. Friday, and 1 to 5 p.m. Saturday).

Headlining the show is the unique ceramic sculpture of D.M.Z. (Ziggy) Coyle, whose whimsical figures of women (with occasional men and animals) are housed in galleries and private collections throughout the U.S. and in fifteen foreign countries. Artist Bette Leshner Kunkel, of Haddonfield, N.J., works in pen and ink, watercolor and pastels. This is a debut exhibit for native Philadelphia, William F. Treacy Sr., who began oil painting three years ago after retiring as an aerospace engineer technician.

The exhibit also will include works of artisans from the Woodcarvers' Association, which holds its annual show and sale at Penn State Ogontz April 3 and 4. An opening reception for the show is scheduled for 2 p.m. Sunday, April 4. For reservations, contact Sally Reintz, 881-7368.

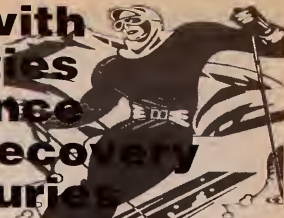


# Focus on Research

Intercom  
March 18, 1993

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## Skiers with disabilities experience longer recovery from injuries



Although competitive skiers with disabilities are injured in events about as much as able-bodied skiers, they may need to train harder because their injuries tend to last longer, a University researcher says.

"Current training practices followed by many skiers with disabilities may not be providing them with the kind of conditioning that skiing requires," noted William E. Buckley, associate professor of exercise and sport science in the College of Health and Human Development.

"This shortcoming could be a contributor to the high levels of chronic injuries seen in such skiers."

With the help of several colleagues, Dr. Buckley surveyed 68 skiers — 53 males and 15 females — who participated in a recent National Handicapped Sports and the U.S. Association for Blind Athletes Winter National Games.

Thirty-eight of the athletes had amputated limbs, nine had spinal cord injuries and nine had visual impairments. The remaining 12 athletes had either spina bifida, multiple sclerosis, muscular dystrophy or an undescribed impairment.

Dr. Buckley worked with project leader Michael S. Ferrara of Ball State University's Department of Physical Education; Duane G. Messner of the Lakewood Orthopedic Clinic, Lakewood, Colo.; and Jack Benedict of the U.S. Disabled Ski Team. The team's findings were recently published in the *American Journal of Sports Medicine*.

For the purposes of the study, "injury" was defined as any trauma from practice, training or competition that affected the athlete's participation for at least 24 hours.

The skiers reported that in the six months before the games, they experienced chronic, or long duration, injuries more often than acute injuries for both the upper and lower body extremities. As for specific body areas, only in the neck and spine were there more acute injuries than chronic injuries reported.

The most common injuries, those to the shoulder or thigh/ knee complex, combined for 54 percent of the total. Also common were injuries to the upper arm and elbow, which accounted for 14 percent of total injuries.

"Part of the reason for more upper extremity injuries could stem from the modified skiing devices many of these athletes must use to be competitive," Dr. Buckley said.

"Other reasons could be associated with the specific type of disability that the athlete manifests," he added. "For instance, those with

absent arms or legs are considered somewhat more likely to be injured in the upper torso in falls.

At any rate, the skiers with disabilities experienced approximately the same distribution of injuries as those reported for able-bodied competitive skiers.

The athletes also reported that they practiced for approximately three hours two to three times a week during the season. About 64 percent of them practiced with a coach, Dr. Buckley noted.

"Skill, as a group, they did not get enough anaerobic, aerobic and strength training activity," he said. "Those are the types of exercise most likely to improve conditioning and reduce the frequency of injury."

Compared to wheelchair track performers, the average skier with a disability may average fewer workouts per week during the season, but still exercise almost twice as long per session, Dr. Buckley added. The increased practice time may be related to the increase in chronic injuries, he said.

— Gary W. Cramer



William E. Buckley

Photo: Gary W. Cramer

### In Pennsylvania, overall cost of living higher than U.S. average

Pennsylvania health care costs are less than the national average, according to a Penn State economist.

"Compared to an overall index of 100, the index for health care throughout Pennsylvania was 94.0," said James A. Kurre, associate professor of economics at Penn State Erie, The Behrend College.

Douglas Del Porto, an undergraduate student majoring in business economics, and Dr. Kurre prepared cost-of-living estimates for Pennsylvania's 67 counties, for both overall expense and for six categories of expenditure: groceries, housing,

utilities, transportation, health care and miscellaneous goods and services.

"Health care was particularly inexpensive in rural Pennsylvania," Dr. Kurre added.

However, his study reveals that utilities were relatively expensive in Pennsylvania — an average of 19 percent above the national average.

"In Pennsylvania, the overall cost of living averaged slightly higher than in the rest of the country," Dr. Kurre said.

### Poverty threatens rural children

More than one in five children in rural America are poor and nearly half of those live in deep poverty, according to two University experts.

"The media usually presents poverty as an inner city problem, yet in 1990, 21.1 percent of non-metropolitan and rural children were poor, compared to 18.2 percent of urban children," said Daniel T. Lichter, associate professor of sociology.

"Rural children have higher rates of poverty than their urban counterparts and the gap widened in the 1980s, largely because of deteriorating conditions within

the rural family," noted David J. Eggebeen, assistant professor of human development.

"If we adjust for the size of the family, non-metropolitan poverty rates in 1990 were higher than at any time since 1960," Dr. Lichter said.

"The rural poor are much less visible because of geographic isolation, but also because national statistics focus heavily on urban areas," Dr. Lichter said. "The extent of economic deprivation in non-metropolitan and rural areas is easily overlooked."

"Sixty percent of the increase in non-metropolitan child poverty during the 1980s can be traced directly to a decline in the traditional family and particularly the increase in single-parent families," he added.



# Business alumni to be honored March 31 as fellows

Fashion industry innovator **Marsha Chaddick Brander**, president of Group B Clothing-COMPIX, Los Angeles, and **Michael J. Farrell**, president and chief executive officer of the Pittsburgh-based investment and merchant banking firm, Farrell and Co., have been named Penn State Alumni Fellows in The Smeal College of Business Administration. They will be honored in special ceremonies in the Nittany Lion Inn March 31.

Ms. Brander, a 1967 marketing graduate of The Smeal College, was one of only nine women in her graduating class. She entered the retail industry, working for Lord & Taylor and, later, Neiman Marcus.

In 1969, she joined two partners to found The Fashion Conspiracy, a chain specializing in junior women's wear. Seven years later when the business was sold to the Edison Brothers, it had grown to 150 stores.

Ms. Brander, an award-winning designer, along with husband and business partner, Martin, created Group B Clothing in 1984 for the design, manufacture and merchandising of the COMPIX line of women's alternative career fashions. Group B, whose sales topped \$24 million in 1992, has kept a step ahead of the competition by bringing its manufacturing processes in-house.

A participant in The Smeal College's Business

Associates Program, she is a life member of the Penn State Alumni Association, and has been a supporter of the University.

Mr. Farrell, a 1971 accounting alumnus of The Smeal College, today manages a company that acts as a provider of financial services to manufacturing companies in Western Pennsylvania, Ohio, and West Virginia and has three principal operating subsidiaries—American Alloys, Inc., Pittsburgh Flatroll and International Alloy Sales, all in Pittsburgh. In the past five years, Farrell & Co. has completed over \$500 million in financial transactions for its clients.

After graduating from Penn State, Mr. Farrell worked for the accounting firm of Touche Ross & Co. in Pittsburgh for two years before being named corporate controller of Season-all Industries. Five years later, he was named vice president for finance with Motor Coils Manufacturing Co., which remakes electric traction motors and alternators for the rail industry. He bought the company in 1985, selling it to the Morrison Knudsen Corporation in 1991 while retaining his role as president and chief executive officer through 1996.

He has been deeply committed to Penn State over the years, having been on the National Committee



Marsha Chaddick Brander



Michael J. Farrell

of The Campaign for Penn State and a generous supporter of the University, The Smeal College and its accounting program. He is highly active on The Smeal College Alumni Society Board of Directors, the Business Associates Program, and has been a frequent lecturer at the University.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with academic colleges of the University. The Penn State Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

## Medieval Studies Program sponsors conference in Ireland

Celtic enthusiasts can finally travel to Ireland for a scholarly look at ancient Viking settlements and early Norman fortifications rarely seen by casual travelers or even scholars.

The Medieval Studies Program and the National Museum of Ireland, with the support of the Shannon Development Corporation, are sponsoring a conference on "Settlement and Society in the Medieval Atlantic Littoral," in Ireland from June 20 to 27.

Open to the public as well as to historians, archaeologists, linguists and other scholars, the conference will explore settlement in the northern Atlantic region of Ireland.

Included will be lectures delivered at Dublin and Limerick, exhibits at the National Museum and on-site tours of little known and usually inaccessible settlements that range in

origin from pre-Viking days to the late middle ages. Conference participants also will be guests at exclusive receptions and banquets in historical halls.

"The combination of lectures and on-site visits directed by internationally known specialists is especially exciting for Americans who normally have little chance to see these sites in an educational context," Vickie Ziegler, director of the Center for Medieval Studies, said.

To find out more about the program and how to register, contact Charlotte Feldman at Travel One, 157 West Lancaster Ave., Ardmore, PA 19003, or phone her at 1-800-523-2786. The conference tour will cost approximately \$2,175, double occupancy, round trip airfare on Aer Lingus from New York, land programs per itinerary.

## Inaugural conference March 21 for antisemitism research center

The Center for Research on Antisemitism in the College of the Liberal Arts will hold its inaugural conference from 10 a.m. to 5:30 p.m. Sunday, March 21, in the Assembly Room in the Nittany Lion Inn at University Park.

Organized in collaboration with the Program in Jewish Studies and the Department of History, the conference, "Literary Antisemitism," is an exploratory investigation of the role played by antisemitism in the works of English, French, American and Russian authors.

Among those discussed will be H.G. Wells, G.K. Chesterton, Benjamin Disraeli, Ernest Hemingway, H.L. Mencken, F. Scott Fitzgerald and others.

Among the speakers will be Michael Coren, of TV Ontario, Toronto, whose most recent book, *The Invisible Man: A Biography of H.G. Wells*, has created controversy in England.

Penn State participants include Baruch Halpern, chair of Jewish Studies and professor of ancient history; J. Philip Jenkins, chair of Religious Studies and professor of criminal justice; Christiane J. Makkward, associate professor of French; Charles W. Mann Jr., Rare Books librarian and Fellow, IAHS; Paul Lawrence Rose, Mitrani Professor of Jewish Studies and European History, and director of the Center for Research on Antisemitism;

Stanley H. Rosen, Evan Pugh professor of philosophy and Fellow, IAHS; Willa Z. Silverman, assistant professor of French; Tamara Vaserstein, Department of Slavic Languages; Daniel Walden, professor of American studies and English; Stanley Weintraub, Evan Pugh professor of arts and humanities and Fellow, IAHS; Beno Weiss, professor of Italian; James L. W. West III, Distinguished Professor of English and Fellow, IAHS.

## Four campuses searching for director of academic affairs

Applications and nominations are invited for the position of director of academic affairs at four Commonwealth Campuses—Berks, DuBois, Fayette and Osgontz.

The director of academic affairs is responsible to the campus executive officer for leadership on all academic matters, including the campus faculty.

Qualifications include an earned doctorate and a minimum of five years experience involving a combination of full-time teaching, research and scholarly activities. Candidates should possess qualifications of a tenured, senior-ranked faculty member at Penn State, and strong interpersonal and communication skills. Experience in academic planning, faculty recruitment and development, budgeting, grantsmanship, and faculty governance is especially desirable.

At the Penn State Berks Campus, the Search and Screening Committee will begin considering candidates on March 31 and continue until an appointment is made. Send nominations or applications with resume and the names, addresses and telephone numbers of three references to Frederick H. Gaige, campus executive officer, Penn State Berks Campus, Tulpehocken Road, P.O. 7009, Reading, PA 19610.

Review of applications at the Penn State DuBois Campus begins on Feb. 22 and will continue until an appointment is made. Send nominations or applications with resume and the names, addresses, and telephone numbers of three references to Donald T. Hartman, campus executive officer, Penn State DuBois Campus, College Place, DuBois, PA 15801.

At the Penn State Fayette Campus, the Search and

Screening Committee began considering candidates on Feb. 27 and will continue until an appointment is made. Send nominations or applications with resume and the names, addresses, and telephone numbers of three references to August H. Simonsen, campus executive officer, Penn State Fayette, P.O. Box 519, Uniontown, PA 15401.

The Search and Screening Committee at the Penn State Osgontz Campus began considering candidates Feb. 27 and will continue until an appointment is made. Send nominations or applications with resume and the names, addresses and telephone numbers of three references to Anthony Fusaro, campus executive officer, Penn State Osgontz, 1600 Woodland Road, Abington, PA 19001.

## SPECIAL RECOGNITION

## Department head honored with Palmer Award for mentoring

Allen L. Soyster, professor and head of industrial and management systems engineering, will receive the Howard B. Palmer Faculty Mentoring Award Sunday, March 28, in Eisenhower Auditorium at University Park.

Established in 1991, the Palmer Award honors outstanding work in guiding the professional development of junior faculty. Dr. Palmer was senior associate dean of the Graduate School from 1985 until his retirement in 1991.

Dr. Soyster has been head of the Department of Industrial and Management Systems Engineering for 12 years and has developed one of the most progressive and prestigious departments in the country. He has strengthened the department through recruitment of young faculty members and has mentored them toward self-advancement and national recognition.

Under his guidance, three faculty in the department have been named National Science Foundation Young Investigators, which is the most prestigious award sponsored by NSF. It is a rare and exemplary achievement for three faculty in the same department to receive this award in the span of four years.

Dr. Soyster's direction also has brought the department an NSF Faculty Award for Women Scientists and Engineers, four Society of Manufacturing Engineers Young Manufacturing Engineer Awards, six NSF Research Initiation Awards, three SAE Awards for Junior faculty and the first Institute of Industrial Engineers Outstanding Young Industrial Engineer Award.

Dr. Soyster received a B.S. in industrial engineering from Penn State in 1965, an M.S. in industrial engineering and operations research from Cornell in 1967 and a Ph.D. in operations research from Carnegie Mellon in 1973. He became assistant professor of industrial engineering at Penn State in 1972 and then was an associate professor at Temple University.

He served a one-year appointment with the Federal Energy Administration as a senior analyst before joining Virginia Tech as an associate professor in 1976. In 1979 he became a full professor and rejoined Penn State's faculty in 1981 as professor and head of industrial and management system engineering.



Allen L. Soyster

## Chemical engineer earns 1993 graduate teaching award

J. Larry Duda, professor and head of chemical engineering, is the 1993 recipient of the Penn State Graduate Faculty Teaching Award for excellence in teaching at the graduate level.

The award will be presented during the Awards Convocation Sunday, March 28, in Eisenhower Auditorium at University Park.

The award recognizes faculty members who have been tenured for a minimum of seven years and have demonstrated excellence in the supervision of graduate students' thesis work.

Over the past 20 years, Dr. Duda has supervised 61 masters students and 32 doctoral students, a feat perhaps unique in the field of chemical engineering, engineering in general or most other disciplines. He also has served on the doctoral committees of over 120 students and the masters committees of 120 students in the areas of chemistry, polymer science, petroleum engineering, mineral processing, fuel science, agricultural engineering, mechanical engineering, bioengineering, as well as chemical engineering.

Dr. Duda's philosophy of education considers that "the best way to learn is to teach and the best teaching comes from continuous learning." This conviction leads to his one-on-one style and his day-to-day interaction with his students.

"A researcher learns new knowledge from experimental observations, but this new information is really not new knowledge in the global sense until the researcher

teaches it to others through scholarly publications and presentations," he said.

Dr. Duda has developed three courses in chemical engineering; a basic elective course in materials, an elective course in polymer processing and a graduate course in transport phenomena emphasizing heat and mass transfer.

He received his B.S. in chemical engineering from Case Institute of Technology in 1958 and his M.S. and Ph.D. in chemical engineering from the University of Delaware in 1961 and 1963, respectively. He began his career in 1963 as a chemical engineer for the Dow Chemical Company, Midland, Mich. and in 1964 became a research engineer. In 1969 he became a senior research engineer.

Dr. Duda joined the University faculty in 1971 as an associate professor and became a professor in 1975. He was named head of the Department of Chemical Engineering in 1983.

In 1981, he and his Penn State collaborator, James S. Vrentas, received the American Institute of Chemical Engineers' William H. Walker Award for their excellence in contribution to the chemical engineering literature. In 1989 he received the American Society for Engineering Education Division Lectureship Award and AIChE's Charles M. A. Stine Award in Materials Engineering and Sciences.



J. Larry Duda

## Teaching

Continued from Page 1

member for five years, is a specialist in 20th-century American literature, women writers, feminist literary theory and African-American literature.

While a member of the faculty at Eastern Illinois University, she received the Faculty Award in Excellence in Teaching. In 1989, the Panhellenic Council acknowledged her as one of the Outstanding Women Faculty at Penn State.

One department head notes, "In her friendly and egalitarian world in which all are accepted and included, students are encouraged and nudged to speak up and encourage each other." A former student adds, "Dr. Clarke's style could be likened to that of an orchestra conductor, as opposed to a drill instructor."

Dr. Clarke said of her own teaching, "A truly successful class is having students challenge my position and offer alternative interpretations, which are clearly expressed and well supported."

Dr. Severance has taught at the Delaware



Lori J. Bechtel

County Campus since 1980. A member of the University Faculty Senate for five years, she received the campus Outstanding Teacher of the Year Award in 1987. Her teaching specialties are Shakespeare, poetry and on introduction to the arts.

A colleague said, "Dr. Severance's genuine pleasure in the pursuit of ideas in the classroom sets her apart from most college professors I have known."

A former student added that through literature, she communicates the power that each of us has to shape our own lives.

"Discussion that welcomes differing perceptions is the basis of my teaching," she said. "Discussion can be messy, time-consuming, funny, disturbing, but such interaction provides a generative ground for thinking."

Professor Yoder, head of the jazz education department in the School of Music, has taught at Penn State since 1985. An acclaimed saxophonist, he not only teaches a variety of courses in jazz but also has developed a performance program of two to five jazz combos and three jazz big bands. He also estab-



Deborah L. Clarke

lished "Jazz Dimensions," a summer jazz camp for high school students.

"Teaching is the art of transferring knowledge and attitude to a student," he said. "It also includes the opportunity to inspire and motivate. The teacher must retain the memory of what it was like to be a learner, and teach with patience and understanding."

His success as a teacher is attested to by a colleague who wrote, "Professor Yoder achieves admirable results not only by sensitive and expert instruction, but also by fine example of his own highly regarded solo performance."

A former student wrote that Professor Yoder's quest for improvement in his own skills serves as an excellent standard for those fortunate enough to be his students.



Sibil L. Severance



M. Daniel Yoder

**FACULTY / STAFF ALERTS**

**Courses offered**

The Office of Human Resources offers the following courses:

**WOMEN'S HEALTH ISSUES: OPTIMAL WELLNESS** — Designed to address the special health issues of women in areas of nutrition, exercise, appropriate health evaluations, and changes in body systems that occur during the aging process. Meets Wednesday, March 24, 8:30-11:45 a.m., in 319 Rider; cost \$35.

**SUCCESSFULLY EMPLOYING PEOPLE WITH DISABILITIES** — "What Managers Need to Know." A live, interactive videoconference that deals with the following: how to interview and hire a job candidate who has a disability; how to make readily achievable changes in buildings and offices to increase accessibility for employees and customers with disabilities; how to avoid litigation by putting the proper systems and procedures in place; how to relate to people with disabilities, and how to find the right resources. Meets Wednesday, April 14 1-4:30 p.m. in 402 Keller; cost none.

**BENCHMARKING** — Identifying different sources for benchmark information, deciding which functions to benchmark, and learning how to collect data. Prerequisite of Overview of CQI. Meets Monday, March 29, 8:30-11:45 a.m. in 319 Rider; cost none.

**CREATING CHANGE** — Understand change as a core element of CQI. Topics include: identifying strategies for reducing resistance, planning and preparing for cultural change. Prerequisite of Overview. Meets Monday, March 29 1:30-4:45 p.m. in 319 Rider; cost none.

**REPORT WRITING** — Designed to give administrators, managers, and other professional employees practical instruction in the fundamentals of report writing including preparation and organization. Meets Thursdays, April 1 - May 20 9:30 a.m.-noon in 319 Rider; cost \$95.

**AMERICANS WITH DISABILITIES ACT** — This course introduces participants to the new provisions of the Americans with Disabilities Act. Meets Tuesday, April 6 8:30-11:45 a.m. in 319 Rider; cost none.

**FINE TUNE YOUR PEOPLE SKILLS** — This series of programs focuses on interpersonal skills. It emphasizes communication abilities and works to improve management skills by using an effective technique known as behavior modeling. Meets April 13 - May 7 in 319 Rider; cost \$230 for series.

**DATA-BASED DECISION MAKING** — Understand the statistical process control tools used with CQI. Topics include: introduction to statistical process control, data collection techniques, and variation and its effects on

continuous improvement. Prerequisite of Overview of CQI. Meets Tuesday, March 30 or Tuesday, April 27 from 9 a.m.-4 p.m. in 506 Keller; cost none.

**Weight Watchers at Work**

A 10-week spring series of Weight Watchers AT WORK will begin Wednesday, March 31, at University Park. The group meets every Wednesday, from noon to 1 p.m. in the auditorium of the Paul Robeson Cultural Center.

The AT WORK program offers a healthful eating plan and provides an informal setting and co-worker support for dealing with weight loss/management issues faced by working people.

The cost of the program is \$100 (Lifetime members \$90) which may be paid by check, VISA, or MasterCard. A split payment plan is available. For further information or to obtain a registration form, call the Faculty/Staff Health Promotion Office at 865-3085.

**FreshStart**

A new section of the American Cancer Society's FreshStart Smoking Cessation Program will begin Tuesday, March 23. The four sessions will take place March 23, 25, 30, and April 1 from 12:30-2 p.m. in Room 410 Rider Building at University Park.

In preparation for the quitting process, participants deal with smoking as a chemical addiction, a habit, and a psychological dependency. The program is free and enrollment is limited to 12. For further information or registration, call the Faculty/Staff Health Promotion Office at 865-3085.

**Employment of minors**

Supervisors are reminded that the Pennsylvania Child Labor Law requires that an employment certificate (sometimes referred to as "working papers") be obtained before any minor begins working for the University.

A minor is anyone under age 18 who has not graduated from high school, or who has not been declared by the high school as having attained maximum academic potential in lieu of graduation. Also, the minimum age for University employment is age 16.

The employment certificate is issued by the minor's high school. Employment certificates are maintained on file by the Employment Division, or appropriate business or human resources office at facilities away from University Park. When a minor ceases employment, the Employment Division, or appropriate business or human resources office, must be notified so that the certificate can be returned to the issuing high school, or to the minor, as appropriate.

Supervisors are asked to review University policy P5-2, Employment of Minors, before committing employment to a minor.

# Challenge

## Continued from Page 1

William A. Schreyer Chair in Global Management Policies and Planning in The Smear College of Business Administration. They also established the Schreyer Libraries Endowment in Global Management Policies and Planning and contributed to the endowed chair in Jewish Studies. In addition, they were major benefactors to the recently completed campaign for The Milton S. Hershey Medical Center and the Bryce Jordan Center.

Bill Schreyer also served as chairman of The Campaign for Penn State, a six-year fund-raising effort that concluded in 1990 and raised \$352 million for the University's academic programs. Penn State named him a Distinguished Alumnus in 1979. Joan Schreyer

was made an Honorary Alumna in 1991.

The Paternos are longtime library advocates. They established



the Paterno Libraries Endowment in 1984, and Sue Paterno serves on the committee for The Campaign for the Library. The Paternos are members of the Libraries Development Advisory Board.

## Penn State Erie, The Behrend College Continuing education takes up residence in new library complex

The opening of a new 100,000 square-foot library/academic complex at Penn State Erie, The Behrend College, will bring the College's Continuing Education program back to campus this fall.

Continuing Education has been located in the former IBM building in Erie since January 1991, when the campus building that housed the program was torn down to make room for construction of the new library/academic complex.

"The move downtown was announced at the time as an interim arrangement to ease the space crunch caused by increasing enrollment," John M. Lilley, provost and dean, said. "When the library/academic complex opens this summer, we'll have new classrooms available for evening instruction and a new parking lot on Jordan Road near the classrooms. Continuing Education's administrative offices will be located next to the new parking lot."

"For adults, the decision to return to higher education is a major one. Some have been away from the classroom for years. Because the adult learner has job and family obligations, convenience is a serious consideration. By returning to campus, we can offer adult students immediately accessible classrooms, parking, and administrative services such as advising and registration. Our library will be located in the same complex as the classrooms, a bookstore and a dining facility are in the adjacent Keck Union Building."

All credit and non-credit public courses scheduled through Continuing Education will be taught at Penn State Behrend beginning the fall semester.

"We think our adult students will be better served by an on-campus library, satellite communications for conferences and seminars, extensive

computing facilities, and a learning resource center," Janet Paterson, director of Continuing Education, said. "Improved facilities will allow Continuing Education to offer more resources to its contract course clients and its adult students in public programs."

**Being on campus means "we can offer adult students immediately accessible classrooms, parking and administrative services."**

John Lilley  
provost and dean

Penn State Erie's Continuing Education program offers an associate degree in business administration, a certificate in plastics processing, a paralegal certificate program, microcomputer training courses, company-based professional development services, a quality methods and management certificate program, chemical dependency counselor training, graduate-level courses in speech communications, instructional systems and health education, and undergraduate credit courses in a variety of disciplines.

"One of our fastest-growing programs is the certificate in plastics processing," Ms. Paterson added. "Those students need to be close to the Plastics Technical Center and its sophisticated machinery and computer graphics systems."

# A new look for a building that's stood the test of time



Weaver Building on Ag Hill.



The tools of the trade ... Workers from the University's renovation crew will pick up where they left off in this photo, when they return for another day of refurbishing Weaver.

**Built in 1913**, the Weaver Building on the University Park Campus is currently undergoing a major internal renovation. When complete this summer, the building will change from being the home of rural sociology in the College of Agricultural Sciences, to a home for faculty and staff in the departments of history, religious studies, Jewish studies and classics in the College of the Liberal Arts.

Architects Hauffman and Associates of Boalsburg designed the new interior to provide office space for about 60 faculty members and a conference/seminar room in the heart of the building. Exterior renovation, consisting of new roof, replacement windows and soffits, will begin later this year.

Photos: Greg Grieco



Labyrinth like ... Metal frames dividing the new offices were erected and will soon be covered by drywall.

## Calendar

Continued from Page 9

Chemical Engineering, 4:35 p.m., Paul Robeson Cultural Center Auditorium. Vinayak N. Khabadi on "Pressure Tensor Computation in Molecular Dynamics Simulations."  
Geosciences, 3:30 p.m., 112 Walker Bldg. Mark Brandon on "Late Cenozoic Uplift and Exhumation of the Cascades Accretionary Wedge."  
Operations Research, 4:35 p.m., 210 Hammond Bldg. Danny Myers on "Meeting Seasonal Demand in a Dynamic Production Environment."  
**Wednesday, March 24**  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. S. Ashok on "Photovoltaics: Plugging Onto the Sun."  
**Thursday, March 25**  
Physics, 3:30 p.m., S5 Osmond Lab. Gordon Fleming on "Current

Problems in Quantum Measurement Theory."  
Gerontology, 4:5 p.m., 106 Mitchell Bldg. Cheryl Achterberg on "Nutritional Labeling."  
**Friday, March 26**  
Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Don Davis on "Forest Health Along an Atmospheric Deposition Gradient."  
Center for Higher Education, 2:30 p.m., 108 Wartick Laboratory. Ely Rodriguez on "Novel Phytochemicals from the Amazon and African Rain Forests."

### EXHIBITS

**HUB Ballroom:**  
Eighth Annual Graduate Research Exhibition, through March 20.  
Korn Graduate Commons:  
"Opera People" by Christian Steiner, through March 19.  
**Zoller Gallery:**  
Undergraduate Juried Exhibition, through March 30.  
**Chambers Gallery:**  
"Cat Food Be Not Proud: A Dialogue," through April 30.

Art Education Graduate and Metals Area Exhibition, through April 30.  
**Pattise Library**  
**Rare Books Room:**  
"City on the Edge of Time," The World's Columbian Exposition, Chicago, 1893, through March 19.  
**West Lobby Gallery:**  
"The Sound of Light" photographs of concerts given by The Cure, Living Colour, Queensryche, and Others, by Kyle Burkhardt, through March 31.  
**Lobby:**  
Exhibit focuses on historic buildings in State College featuring the work of the State College Borough Historic Resources Study Committee, through April 30.  
**University Archives/Penn State Room:**  
"Why Not for Girls?," Dorothy V. Hams and Women's Sports Psychology, through May 5.

■ Reflects an international perspective

# Professor to bike across country for Libraries



Some people dream of sailing around the world, others wish for wealth and fame, but a University engineering professor will stop dreaming and fulfill a lifelong desire this summer when he bicycles across the United States to raise money for the University Libraries.

**Joseph H. Goldberg**, associate professor of industrial engineering, will leave Los Angeles for a 47-day bicycle trek across the U.S. as one of 60 participants in Ride

Across America. Ride Across America is sponsored by Pedal for Power, a program of the non-profit Bicyclists' Educational and Legal Foundation of the League of American Wheelmen.

The group will arrive in Boston on July 1 having realized dreams and raised money for both the BELF and their respective charities.

"I am thrilled to be able to bicycle across the country and at the same time raise money for Penn State's Library," said Dr. Goldberg. "A teaching and research oriented university like Penn State can not survive

without a modern library."

"I am pleased that Dr. Goldberg chose to designate Penn State Libraries as his charity in Ride Across America," said Nancy M. Cline, dean, University Libraries. "Through his efforts, not only will he serve as an example to faculty, staff and students at Penn State, but he will impress upon people from coast to coast the importance of Penn State's Libraries."

The seven-week trip will begin with a stretch across southern California and the deserts of Arizona and New Mexico, before cutting across the edge of Texas and Oklahoma to enter the corn belt of Kansas, Missouri, Illinois and Indiana. By June 20, the group will enter Ohio, slip north through Erie, Pa., and head across upstate New York through Massachusetts to Boston.

Dr. Goldberg, who is currently on sabbatical at the Oak Ridge National Laboratory in Oak Ridge, Tenn., has been on the Penn State faculty since 1984. His work focuses on human factors and ergonomics and he is currently interested in virtual reality and intelligent systems.

To qualify for Ride Across America, Dr. Goldberg must raise \$5,000 or more from donations. Sponsors may either pledge a flat donation or a per mile rate. With a total distance to travel of 3,426 miles, per mile donations might range from \$17.13 for a half cent pledge to \$342.60 for a dime a mile.



Joseph H. Goldberg

Photo: Greg Greco

A portion of the donations cover ride expenses including food, housing and support vehicles, and the rest will be split between Ride Across America and the Libraries.

The riders will pause every six days for a rest day, but the ride continues regardless of rain, snow or wind. Daily legs will range from 40 to 120 miles a day.

- Andrea Lyse Messer

## Intercollegiate Athletics commits \$150,000 to Campaign for Library

The Department of Intercollegiate Athletics is donating \$150,000 of its 1993 Blockbuster Bowl receipts to help build a much needed addition to Pattee Library.

"I am grateful to President Thomas and to Director of Intercollegiate Athletics Jim Tarman for making this gift happen," said Head Football Coach Joe Paterno, who leads the \$10 million Campaign for the Library." It shows that all of this University is getting behind our effort to give our faculty and students a big-league library, and demonstrates that meeting academic needs remains Penn State's highest priority."

"This is a special gift and it is

deeply appreciated," Nancy Cline, dean of the University Libraries, said. "Not only will it help us to meet our goal for the Campaign for the Library, but it also illustrates our athletic department's strong commitment to the students' academic experience. We are pleased to have this special partnership."

The Campaign for the Library, which will end Dec. 31, has raised \$4.6 million to date. This private gift support will be added to \$14.8 million in capital improvement funds released by Pennsylvania Gov. Robert Casey for the project last fall.

The University plans to build a 100,000-square foot addition on the eastern end of the Pattee complex

and to renovate the existing structure, parts of which are more than 50 years old and heavily used. The expansion would feature a new entrance to the new building, several discrete "libraries within the library," the creation of a Library for Special Collections and greatly expanded use of computer and telecommunications technologies.

Pattee Library welcomes more than 1.5 million users annually. The central core, which replaced Carnegie Building as the main library, opened in 1940 and was named for Fred Lewis Pattee, a Penn State faculty member who was the first in the nation to hold the title "Professor of American Literature."

The "central stack" area was added 10 years later, and West Pattee was added in 1965. The latest addition, East Pattee, was built in 1972.

This gift is the second by Intercollegiate Athletics to the Libraries. In 1987, it gave \$200,000 of the proceeds from the Fiesta Bowl to the Paterno Libraries Endowment. Joe and Sue Paterno established the fund in 1984 with gifts totaling \$120,000. Additional gifts from alumni and friends have raised the fund's current value to approximately \$4 million. The Paterno fund has provided more than \$700,000 in investment earnings so far for the acquisition of library materials.

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March 18, 1993  
Vol. 22, No. 24

### PENN STATE



### INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

March 25, 1993

Volume 22, Number 25

## Seven faculty members earn title of Distinguished Professor during 1993

The Office of the President has awarded seven faculty members the title of Distinguished Professor, the Board of Trustees has learned.

Based on nominations from college committees and recommendations by college deans to the University president, the title recognizes "an exceptional record of teaching, research and/or creativity and service." All of those honored are full professors, are acknowledged to be excellent teachers and are internationally recognized in their fields of specialization.

The colleges participating in the 1993 nominations are: Education, Health and Human Development, Liberal Arts, Medicine, and The Smeal College of Business Administration.

This year's recipients are: William L. Boyd, professor of education; Peter R. Cavanagh, professor of locomotion studies; biobehavioral health and medicine; Kalyan

Chatterjee, professor of management science; Dennis Hogan, professor of sociology; Kathryn Flame, professor of English; D. Eugene Rannels, professor of cellular and molecular physiology, College of Medicine; and Lita L. Schwartz, professor of educational psychology at the Penn State Ogontz Campus.

Dr. Boyd is internationally recognized for his sustained scholarship on the interaction of political dynamics and education policy. A past president of the Politics of Education Association, he was the originator of his highly regarded Yearbook Series. He is the editor of seven books and the author of more than 60 articles and book chapters. A number of his doctoral students have presented at scholarly meetings and achieved statewide recognition.

Dr. Cavanagh is the founding director of the Center for Locomotion Studies, an international

known laboratory for the study of human locomotion. His most important contribution has been to show that the loss of function in the diabetic foot results not from poor circulation, but from the loss of sensation. He received the first Muybridge Medal from the International Society of Biomechanics. Described as a "consummate professor," he has an outstanding record of advising graduate students, many of whom have gone on to distinguished careers.

Dr. Chatterjee is internationally recognized as one of the leading scholars in the application of game theory to conflict and bargaining situations. He helped create and serves as director of the Center for Research in Conflict and Negotiation, which has drawn significant support from the William and Flora Hewlett Foundation. He

See "Distinguished" on Page 3

## Two win teaching award

Two University faculty members will receive the Milton S. Eisenhower Award for Distinguished Teaching during the Academic Awards Convocation, Sunday, March 28, in Eisenhower Auditorium at University Park.

Thomas O. Beebee, associate professor of comparative literature and German, and Judy Lynn Ozment, associate professor of chemistry at the Penn State Ogontz Campus, have been named recipients of the Eisenhower Award, which recognizes excellence in teaching.

Dr. Beebee joined the faculty in 1986 as an assistant professor of comparative literature and German and three years later became associate professor. A lecturer at the University of Mainz in Germany in 1981-82, he served as assistant professor of German for two years at Bowdoin College before coming to Penn State.

He received a bachelor of arts degree in comparative literature from Dartmouth College and a master of arts and doctorate in comparative literature from the University of Michigan, where he served as a teaching assistant.

Tom Beebee has always taught with

See "Award" on Page 13

From the President:

## Thanks!

Dear University Community:

I want to thank each member of the University community who generously and courageously gave their time and energy to help maintain emergency services during the recent blizzard and to reopen all the campuses as quickly as possible.

The Blizzard of '93 paralyzed the entire East Coast and was called the storm of the century. On Friday, many University departments were reviewing the forecasts and meeting regularly to decide the best action to take. There were many difficult and uncertain decisions to make.

Complicating the fact was that many of the students and faculty were not on the campuses because of the spring break. Therefore, the University had to consider the statewide and national conditions as well as individual campus conditions. All in all, the University was prepared for this dangerous storm as well as any organization could be.

Hundreds of staff members should be recognized for the many, many hours they contributed throughout the entire

See "Thanks" on Page 5



Called everything from "Superstorm '93" to the "Blizzard of the Century," the weather packed quite a wallop, blasting the area with more than 28 inches of snow. Mark Kresovich, from the Office of Physical Plant, is one of the many who helped dig out after the storm.

Photo: Greg Grieco

## Videoconference seminar for women of color in higher education

A live satellite videoconference seminar titled "Women of Color in Higher Education: Too Invisible, Too Silent for Too Long," is scheduled from 1-3 p.m. Wednesday, March 31, in Rooms 312-314 Keller Building at University Park.

The seminar, which is open to the public, will feature prominent educators and look at issues relevant to the status of women of color in the higher education community. Topics include equity issues, leadership roles, the academic social and professional environment for women, and student experiences.

Among the speakers are Vera K. Farris, president of Stockton State College; Juliette Garcia, president of the University of Texas at Brownsville; Gloria Scott, president of Bennett College; Evelyn Hudehart, from the University of Colorado at Boulder; and Janine Pease-Whitney Boy, president of Little Big Horn College.

The seminar is sponsored by the Central Pennsylvania Women of Color, the Equal Opportunity Planning Committee, the Commission on Women and the Commission for Racial/Ethnic Diversity. The event is produced by Black Issues in Higher Education.

## DIVERSITY OPPORTUNITIES CALENDAR

**Friday, March 26**  
Asian American Student Coalition, 8 p.m., 111 Chambers Building. Second Annual Asian American Awareness Weekend lecture titled, "The Role of Asian-Americans on College Campuses," by Dr. Dyal-Chand, Ferrum College vice president of student affairs. An ethnic foods reception will follow.

**Saturday, March 27**  
Office of Minority Faculty Development, 9:30 a.m. to noon, 114 Kern Graduate Building. "External Funding and Proposal Writing" is the final in a series of six faculty development workshops this semester. Ms. Baiba Briedis, College of Liberal Arts coordinator of grants and contracts, will be the speaker. To make reservations, contact Ms. Leah Wilson at 853-6663. All junior faculty are welcome to participate.

**Tuesday, March 30**  
Paul Robeson Cultural Center, 7 p.m., Paul

Robeson Cultural Center. Inner Visions Film/Discussion Series presentation titled, "Born in Africa."

**Wednesday, March 31**  
Central Pennsylvania Women of Color, 1 to 3 p.m., 312-314 Keller Conference Center. Satellite videoconference seminar titled, "Women of Color in Higher Education: Too Invisible, Too Silent for Too Long." The public is invited.

**Thursday, April 1**  
Women's Studies, noon to 1:30 p.m., HUB Gallery. Six Feminist Scholars Lecture Series presentation titled, "Who Does This Lecture Think You Are? Academic Performances of Gender and Other Social Identities," by Elizabeth Ellsworth, University of Wisconsin, Madison, Department of Curriculum and Instruction and Women's Studies Program associate professor.

## Senate hears from president, revises by-laws, receives updates

During appropriation hearings in March before the state legislature, President Thomas asked legislators to restore the \$9.5 million cut from Penn State's \$258.7 million base appropriation, and to increase that base support by 5 percent for the next fiscal year.

In his March address to members of the University Faculty Senate, Dr. Thomas pointed out that the focus of the hearings before both the state House of Representatives and Senate was on the accountability of institutions of higher education.

"The legislature continues to struggle to find a simplistic accountability measure for what is actually a very complex issue," Dr. Thomas said. "They are looking for accountability from the consumer perspective, and this is an issue that we will continue to face and struggle with for some time."

For the 1992-93 fiscal year, Penn State received \$249.2 million from the state - a decrease of 3.7 percent over the 1991-92 level. This was the first reduction in the University's permanent appropriation since the 1930s. In 1991-92, the University received an initial

appropriation of \$258.7 million, but a mid-year cut by the state slashed that amount to \$249.6 million.

Dr. Thomas, who testified before the state Senate, and John Brighton, executive vice president and provost, who testified before the House, both stressed the efficiency of Penn State as an institution.

Dr. Thomas said he emphasized that Penn State's instructional costs per student are 15 percent lower than peer institutions, that Penn State's total expenditures are about 38 percent lower than other institutions and that the University's physical plant costs are one-third less than those of comparable institutions.

"We have emerged as a flagship university for Pennsylvania and we have continued to offer a quality education despite these fiscal hardships. But I have indicated to legislators that con-

tinuity cuts will inevitably lead to reductions in offerings, or reductions in quality, or both," he said.

Despite the fact that much of the questioning before the Senate was related to medical education and that many of the questions followed the theme of "more service for less cost," Dr. Thomas said he was encouraged by what he heard and believes Penn State made an excellent case for receiving its fair share of whatever additional funds may be appropriated.

In other business:

- Senate members approved revisions in the constitution, by-laws and standing rules of the Faculty Senate.

- Senate members were updated on the status of University construction projects, including a tentative schedule for completion of the Pattee Library addition. Construction on Pattee is set

to begin in spring 1995, with completion slated for spring 1997.

Construction on the Bryce Jordan Center will begin this summer and run through spring 1995.

- Senate members agreed to change the terminology used by other Penn State locations other than University Park when referring to degree offerings. References to be "extended" degree programs in all policy and curricular documents will be eliminated.

- The Senate agreed to pass a recommendation to the administration regarding the inclusion of a "statement of responsibilities" in an employee's dossier. Members of the Senate Committee on Faculty Affairs filed a statement defining the responsibilities of the faculty member should appear in the front of the candidate's dossier and be available for review during tenure and promotion proceedings. The recommendation stems from concerns by some faculty members that appropriate recognition be given for all areas in which they serve.



## PARTINGS

## Associate professor retires with emeritus rank

Marilyn T. Boswell, associate professor of statistics, has retired with emeritus rank after 26 years of service.

A specialist in applied statistics, Dr. Boswell's research has had applications in areas such as forestry, agriculture, and fishery science. His statistical models have helped scientists to determine gypsy moth distributions, evaluate the spread of agricultural diseases, assess fish stocks, and predict environmental trends.

Dr. Boswell, who enjoys working with computers, developed a package of FORTRAN subroutines for the computer generation of random variables, which can be used to study estimator properties too complicated to solve using traditional analytical techniques. This package has been installed on computers in the Statistics Department as well as on the Penn State main frame computer.

A member of the American Statistical Association, the Institute of Mathematical Statistics, and the Biometric Society, he also has served as a referee for seven professional journals, including *Biometrics*, *American Statistician*, and *Mathematical Geology*.

Dr. Boswell earned his bachelor's degree in mathematics at the University of California, Riverside, in 1958 and his master's degree in statistics at Stanford University in 1960. He was a research engineer at Atomics International in California and a mathematics instructor before returning to the University of California to earn his doctoral degree in 1965.

Dr. Boswell plans to continue conducting research and says he is organizing a three-month trip to Berlin, Germany, to study spatial patterns of cancer. He also is going to continue developing his package of computer simulation routines and hopes to spend more time skiing, skin diving, canoeing, sailing, and learning Spanish.



Marilyn T. Boswell



## FROM THE TRUSTEES DOCKET

## Board approves rate increases

The Penn State Board of Trustees approved rate increases for room and board for the academic year 1993-94 at its March 20 meeting at The Milton S. HERSHEY Medical Center.

Room and board rates for the standard double room and meal plan 3, which is selected by most students, will increase approximately 3.8 percent, beginning in fall 1993. This increase approximates the consumer price index forecast for 1993.

More than 78 percent of the undergraduate on-campus population at the University is housed in the standard double room. Rate increases for other types of accommodations, which include singles, double, triples, single student apartments and suites, will vary from \$30 to \$55 a semester.

Family apartments will increase from \$25 to \$30 per month, depending on the type of apartment. Basic telephone service is included in the rate.

"The University expects higher operating costs in areas such as food, utilities, salaries and benefits," Steve A. Garban, senior vice president for business and operations and treasurer, said. "The Residence Hall and Dining Commons program is completely self-supporting. State funds are not used for the operation of the construction and maintenance of facilities."

The standard room and board rate will increase by \$70 per semester.

New double room and board rates per semester are:

- \$1,795 including Meal Plan 1 (23,500 points).
- \$1,845 including Meal Plan 2 (28,500 points).
- \$1,895 including Meal Plan 3 (33,500 points).
- \$1,935 including Meal Plan 4 (37,500 points).
- \$1,965 including Meal Plan 5 (40,500 points).

Currently, students may choose from five meal plans offering from 23,500 to 40,500 points. Points are deducted from the plan, based on meals eaten in a dining hall or in other campus eateries.

## New minors and programs reviewed

The Board of Trustees has reviewed a new minor in environmental engineering in the College of Engineering and a new minor in agricultural communications in the College of Agricultural Sciences.

The environmental engineering minor entails a comprehensive study of environmental issues and will provide students majoring in engineering, science and other technical fields with the skills necessary to solve problems associated with environmental pollution. A minimum of 18 credits is required for the minor.

The new minor in agricultural communications requires a minimum of 18 credits and enables students to supplement their academic major in the college with a knowledge of professional practices in communications.

Trustees also were informed of changes in the following undergraduate programs:

— In the College of Arts and Architecture, three options in the music major will be dropped: the option in general, the option in music history and the option in theory.

— In the College of the Liberal

Arts, a new option in French-engineering has been added to the major in French. Linked with a bachelor of science degree in engineering, it answers the need for engineers with both technical and sociological training. For a bachelor of science degree in French with an option in French-engineering, a minimum of 134 credits is required.

— A new option in German-engineering has been added to the major in German. For a bachelor of science degree in German with an option in German-engineering, a minimum of 133 credits is required.

— The option in business in the major in German has been changed to the option in German-business. The bachelor of science degree in German with an option in German-business requires a minimum of 130 credits.

— The major in medical anthropology has been dropped due to declining enrollment in the major and the loss of key personnel from retirements and terminations.

## Distinguished

Continued from Page 1

has been a major force in shaping and improving the quality of the doctoral program.

Dr. Fogin is considered one of the leading social demographers of his generation. As director of the Population Research Institute since 1988, he has led the Institute to a position of national prominence as evidenced in its designation by the National Institutes of Health as one of only 10 core population centers. He is said to have "broken new ground in the social demography of aging and the life course." His ability to mentor graduate students, postdoctoral fellows and young faculty has its foundation in his own outstanding research record.

Dr. Hume is the author of four books and 39 articles in two distinct fields of literature. She is described as "an outstanding figure in the study of contemporary fiction and fantasy" and also as "an authoritative medievalist." She is an effective mentor of young faculty and graduate students, and her students have published their own work in some of the discipline's most prestigious journals.

Dr. Rannels has a long-held interest in the physiological regulation of lung growth, both at the tissue and cellular levels, and his research has centered on the control of compensatory lung growth. This work, which has resulted in more than 100 publications, has received broad national and international recognition. Recently he was honored with a MERIT Research Award by the National Heart, Lung and Blood Institute, which provides extended research support to investigators with "distinctly superior research competence, productivity and scientific contributions." Several of the graduate students and postdoctoral fellows whose programs he has directed now hold important positions in the research community.

Dr. Schwartz is the author of 11 books and more than 50 articles, and is considered a major figure in several areas of research: creativity, giftedness, the phenomenon of cults, and family factors including divorce, separation and other life changes. She is a fellow of two divisions of the American Psychological Association. She has been honored for her dedication to students, including receiving the Lindback Award for Outstanding Teaching, a University-wide honor.

Pool of student applicants down;  
University will still meet 3,400 target

Following national trends, early indications are that both the number of applications for admissions and the number of students who have paid an acceptance fee to attend Penn State will be down for the fall class of 1993, the Board of Trustees has learned.

"While we still expect to easily meet our fall target of 3,400 freshmen at University Park," said Executive Vice President and Provost John A. Brighton, "baccalaureate freshman applications for fall 1993, compared with fall 1992 at this time last year, are down by 8 percent (25,531 this year versus 27,667 last year). Total applications are running slightly behind last year by about 4 percent (34,225 this year versus 35,775 last year)."

Fall offers for University Park are up 2 percent from fall of 1992. Paid accepts are currently down 8 percent (9,310 versus 3,594 at the same time last year).

"I might note that these declines are not unique to Penn State. The decreasing trend in the number of Pennsylvania high school graduates is bottoming out, and those numbers are projected to increase, beginning in 1995," he said.

Offers to the Commonwealth Campuses are down by 19 percent over this time last year (9,614 for fall 1993 versus 11,915 for fall 1992). However, last year's figure was unusually high because of an experimental program in which the University offered admission to a Commonwealth Campus to 1,400 applicants who listed only University Park as a choice but did not meet the requirements for that campus.

"If we exclude those offers from our

comparison, the decrease since last year in offers to Commonwealth Campuses is 9 percent," Dr. Brighton said. "Paid accepts at the campuses for fall 1993 are down by about 11 percent. We think that the final numbers for baccalaureate freshmen at the campuses may be at about the fall 1991 level rather than the slightly higher fall 1992 level."

At Penn State Erie, The Behrend College, offers of admission are down 20 percent compared with fall 1992; paid accepts have decreased by 12 percent, approximately to the fall 1991 level.

Dr. Brighton also gave the Board some early figures on minority admissions. The number of Pennsylvania freshmen baccalaureate applications for all minority groups is down by less than 2 percent, compared with 1992; the number of out-of-state minority applications is down by just 4 percent, which is a much smaller decrease than in the two preceding years. Offers to minority applicants are up by 2 percent; paid accepts are down by 7 percent.

"Looking at the total picture," Dr. Brighton added, "offers have not decreased as much as applications, and therefore our efforts this spring are on increasing the number of students who accept our offers. Both the individual campuses and colleges are working on strategies to increase acceptances."

He concluded with a reminder that his report is only preliminary, saying, "We are about two-thirds of the way through the process, and as of this date, we do expect to meet our target figure."

# Trustees learn of Continuous Quality Improvement

From broadening the range of financial services to Penn State families, to more privacy at the University Health Service and streamlining student advising, Penn State students are the direct beneficiaries of the University's commitment to Continuous Quality Improvement, the Board of Trustees has learned.

"Continuous Quality Improvement, adopted from

colleges and universities with such programs.

In such a large field, it was with some pride that Ms. Sandmeyer explained to the Board that Penn State was one of only eight universities to win a five-year \$1 million IBM Total Quality Management Competition last year to help integrate quality management principles into the curricula and management operations.

"Our proposal was unique because of our linkages to secondary schools and our Master Teacher Team," she said. Penn State's proposal includes establishing closer links with high schools to help students be better prepared for Penn State; integrating quality management in business and engineering and executive education programs, improving teaching processes, and increasing the use of new technologies in the classroom. It also is helping to establish a TQM Research Center in The Smell College of Business Administration and support research in the College of Engineering.

In the fall of 1991, President Thomas and Executive Vice President and Provost John A. Brighton established the Council on Continuous Quality Improvement to study total quality concepts, their use in higher education and to develop strategies for the University's practice of continuous quality improvement. Since then, Penn State's CQI initiative has resulted in more than 60 well-defined teams working to make the delivery of services and administrative processes more effective across the University and its campuses more welcoming to all students.

Of these, more than 10 teams have already implemented changes, including how undergradu-

ates in engineering are taught physics, reducing student waiting time in the Bursar's Office, a more focused student orientation program at Penn State Harrisburg as well as a comprehensive year-long freshman orientation and streamlined advising in The Smell College.

In addition to processes that benefit students, CQI teams have tackled improvements in WPSX membership and gift information systems; the operations and procedures for tracking and managing General Stores inventories; streamlining the Alumni Association information system, and how Continuing Education will handle telephone center now under construction.

Penn State's CQI Center offers information about process improvements and helps faculty and staff clarify or define critical processes suitable to team problem solving. It also works with Continuing Education and the Office of Human Resources to offer professional development and educational programs to help faculty and staff collaborate on team initiatives. This fall nearly 1,500 faculty and staff were introduced to quality management principles through these programs.

"Continuous Quality Improvement provides the tools and principles for improving working, teaching and learning at the University, and as with any types of change in an academic community, CQI is sometimes met with critical questioning," Ms. Sandmeyer said. "Nevertheless, with senior administration commitment and a growing record of team success, it is very exciting to see how quickly such principles are being adopted."

## ***Penn State's CQI initiative has resulted in more than 60 well-defined teams working to make the delivery of services and administrative processes more effective.***

the principles of Total Quality Management, helps Penn State enhance existing programs, improve the effectiveness of teaching and learning, and fosters a collaborative work environment for faculty, staff and students." Louise E. Sandmeyer, executive director of the CQI Center, said.

The interest in quality management has moved rapidly from the corporate world to universities in the past few years. In a recent poll of university presidents, about 60 percent said their institutions have adopted or were considering adopting total quality management principles. The American Association of Higher Education estimates that there are now more than 300

## **Libraries faculty and staff give record amount to Pattee campaign**

Tremendous effort on the part of Libraries faculty and staff has led to a record 85 percent participation rate in the Libraries' internal Campaign for the Library and the donation of \$66,450. This rate far surpasses the Building for the Future Committee's goal of 60 percent, and last year's participation rate of 10 percent.

"I am very pleased to see the numbers of library faculty and staff supporting the internal Campaign for the Library, yet I'm not surprised," said Rita Andreessen, a Libraries staff member and co-chair of the Building for the Future Committee. "Throughout the campaign we've had outstanding support and enthusiasm from our faculty and staff. The many fund-raising activities were always well attended and received."

Examples of the activities include the October 1992 press conference to announce the release of funds from the state to support an addition to the Library. This was followed by a tailgate, attended by staff, faculty, President Thomas and Coach Joe Paterno, where the internal campaign was officially named and the logo unveiled. Alumnus William Schreyer challenged faculty and staff to commit \$2 million to any area of the

University by June 30. In return, Mr. Schreyer will give \$1 million to support the Campaign for the Library.

Throughout the past few months and all the various fund-raising activities, Libraries faculty and staff volunteered their time and energy. Their generosity and commitment is evident by the participation rate reached and the total amount raised in the internal solicitation campaign, according to Ms. Andreessen.

Members of the Building for the Future Committee include co-chairs Ms. Andreessen, Sue Kellerman, preservation librarian, Wayne Baumgardner, stack supervisor, and Charles Mann, chief, Special Collections; and members Susan Bracken, senior clerk, Lending Services; Shirley Davis, administrative aide; Shari Dillon, secretary B; Cindy Faries, senior assistant librarian; Diane Kurtz, clerk typist B; Jamie Jamison, clerk A, Interlibrary Lending; Verne Neff, Clerk A, Lending Services; Jack Orlando, senior systems analyst, Library Computing Services; Jackie Peagler, Earth and Mineral Sciences Library assistant; Linda Schreck, acquisitions assistant; Pat Scott, map specialist; and Timothy Wherry, head librarian—Altoona.

## **Annual Latin American studies conference to be held April 2 - 3 at University Park**

The Middle Atlantic Conference of Latin American Studies will hold its 14th annual conference, April 2 and 3, at University Park.

MACLAS is a regional organization comprised of Latin American specialists and scholars from New Jersey, Pennsylvania, Delaware, Maryland, West Virginia, the District of Columbia and Virginia, and is affiliated with the Latin American Studies Association.

There will be 21 panels consisting of papers on Latin American topics by presenters representing major academic disciplines and professional and governmental activities.

The Friday evening banquet speaker is Joseph Tulchin, head of the Latin American Program in the Woodrow Wilson Center, Washington, D.C.

For more information and registration materials, contact Charles D. Ameringer, Department of History, 604 Oswald Tower, University Park, PA 16802.

## **Career day scheduled for April 8**

The third annual Pennsylvania Career Day titled "Careers in the Commonwealth" will be held Thursday, April 8, at University Park.

The 1993 Career Day is expected to attract more than 2,000 students from Pennsylvania colleges and universities representing all academic disciplines and career fields. Employers will have the chance to discuss current and projected job openings, summer jobs and internship opportunities and, in effect, will be able to reach a large population of potential employees.

The career day, scheduled from 10 a.m. to 4 p.m., will be held at the Intramural Building located at the intersection of University Drive and Curtin Road (one block west of Beaver Stadium).

Co-sponsoring the Career Day with Penn State are the Commonwealth of Pennsylvania, the Pennsylvania Chamber of Business and Industry, the Pennsylvania Manufacturer's Association and the Hospital Association of Pennsylvania. Admission and parking are free to employers and students.

More than 100 employers representing large and small businesses, human service and government agencies, hospitals and not-for-profit organizations are expected to participate this year.

# Thanks

Continued from Page 1

five days. Conditions at times were dangerous and information from across the state was difficult to communicate. Many employees worked above and beyond the call of duty in order to keep University services open or reopen other services as quickly as possible.

## Here's what University employees had to do to beat the Blizzard of '93

- \* Shovel or plow 100,000 linear feet of sidewalk.
- \* Plow 31 miles of roadways.
- \* Dig out more than 11,000 parking spaces.
- \* Operate a total of 13 plow trucks, seven track vehicles with plows, four snowblowers, 12 walk-behind snowblowers, and seven front-end loaders.
- \* Cost to date for removal of the more than 28 inches of snow is estimated at between \$125,000 and \$175,000.

For example, Kenneth Medina, an assistant manager in food services, walked several miles from his home in Houserville to the Pollock Dining Commons on Sunday night to provide a meal for students already back on the University Park Campus. He had to struggle in chest-high snow to try to reach the dining hall door. University Park telephone operators answered a non-stop barrage of long-distance phone calls from worried parents and students. Many employees worked around the clock, with some sleeping in their offices.

Many thanks go to the employees of departments such as Safety Services, Housing and Food Services, Physical Plant, the Nittany Lion Inn, Public Information, Telecommunications, Campus Life, the University Park Airport and Human Resources. We are particularly grateful for the special efforts at the Hershey Medical Center. Their performances and those of the employees at all campuses working throughout this emergency were inspiring and deserve the highest praise.

*President Joab Thomas*



This peaceful scene of Old Main was soon disrupted by workers like shovel-wielding Mark Troutman (below, left) and Bryan Packer, front-end loader driver (below), who worked several days to make streets and walkways passable.

Photos: Greg Grieco



### PRIVATE GIVING

## Campaign for the Library garners another \$250,000 commitment

Bellefonte residents Philip and Judith Sieg have committed \$250,000 to The Campaign for the Library, Penn State's effort to raise \$10 million in private gifts for an expansion of Pattee Library. The Siegs are Penn State alumni and serve on the volunteer committee that is leading the campaign.

Private funds will be added to \$14.8 million that Governor Casey released last fall for the project. The expansion will feature a 100,000-square-foot addition to East Pattee, a new entrance and enhanced computer and telecommunications technologies.

Including the Siegs' gift, campaign contributions exceed \$4.6 million. The campaign, chaired

by Head Football coach Joe Paterno, is scheduled to run through Dec. 31.

Philip Sieg is chairman of the Sieg Financial Group, which has primary interests in real estate and planned community development. He graduated from Penn State in 1957 with a bachelor's degree in business administration. In the 1960s, he headed the firm that developed Toftrees, Pennsylvania's first planned community.

Earlier this year, Penn State named him a Distinguished Alumnus, and in 1988 he was honored as an Alumni Fellow. He serves as a member of the National Development Council, the

University's highest-level fund-raising advisory body.

Judith Sieg graduated from Penn State in 1959 and is a member of the Libraries Development Advisory Board. She and her husband are long-time University benefactors. They have endowed the Philip H. Sieg Professorship in The Smeal College of Business Administration and also have supported such diverse areas as the Bryce Jordan Center, Palmer Museum of Art and Renaissance Scholarships. Their three sons are Penn State graduates.

# LECTURES

## POW experiences to be shared March 30

Two African-American airmen, Col. Norman McDaniel and Capt. Luther Smith, will share their POW experiences in a program at the Paul Robeson Cultural Center at University Park on Tuesday, March 30.

Their appearance was arranged by Robert C. Doyle, instructor of American Studies, and Lawrence W. Young, director of the Paul Robeson Cultural Center.

Col. McDaniel, a Vietnam War veteran, will be guest speaker in Dr. Doyle's American Studies 402 senior seminar titled "American Themes and Eras: The American Captivity Experience." He will then join Capt. Smith, a Tuskegee Flyer during World War II, in a joint symposium from 3 to 5 p.m. at the Paul Robeson Cultural Center.

Capt. Smith will be the featured speaker at 7 p.m. at the center. He will show the film, "The Tuskegee Airmen," which depicts a celebrated African-American corps of pilots during World War II. He will discuss his

own experiences at Tuskegee and recall his days as one of the first African/American airmen in World War II.

Valedictorian of his high school class and a graduate cum laude from North Carolina Agricultural and Technical State, Col. McDaniel received his master's degree in systems management from the Florida Institute of Technology (1975).

He was assigned to Takli Air Base in Thailand in Jan, 1966. He flew 51 combat missions over North Vietnam and was shot down and captured July 20, 1966, being held prisoner until his release on February 12, 1973.

He wrote a book titled *Yet Another Voice*, which relates his experiences as a POW of the North Vietnamese and his readjustment efforts after release.

Col. McDaniel's awards include the Silver Star, the Bronze Star for Valor, the Distinguished Flying Cross and the Prisoner of War Medal.

During World War II, Capt. Smith was shot down over Zagreb, Yugoslavia, captured and sent to a German POW camp in Austria. At the time of his release, he weighed 70 pounds.

An low native, he was an engineer with General Electric Missile and Space Operation in Philadelphia and retired in 1988.

Among his awards are the Distinguished Flying Cross, the Air Medal with six Oak Leaf Clusters, the Prisoner of War Medal and the Purple Heart. He received his master's degree in metallurgical engineering from Penn State in 1977.

The program is sponsored by the Paul Robeson Cultural Center and the American Studies program, through a cultural diversity grant from the College of the Liberal Arts.

The public is cordially invited.

## Physics professor to deliver lecture

Priscilla W. Laws, professor of physics at Dickinson College, will present a colloquium lecture titled "Teaching Introductory Physics Without Lectures," from 3:30 to 4:30 p.m. Monday, March 29, in S-5 Osmond Laboratory at University Park.

Sponsored by the Eberly College of Science and the Department of Physics, the colloquium will be preceded by coffee and tea at 3:15 p.m. in the Concourse Lounge, located on the second floor between Davey and Osmond laboratories.

In addition to encouraging physics teachers and students to consider restructuring undergraduate physics courses so they are more interactive, educational, and exciting, Dr. Laws will discuss various aspects of Workshop Physics—a program developed at Dickinson College that uses microcomputers to perform graphical and numerical analyses of observations in introductory physics classes.

Dr. Laws will explore such topics as tracking of one-dimensional body motions with a computer-based ultrasonic detection system; using a newly developed video analysis system to study two-dimensional motion; and using batteries, bulbs, and capacitors to help students discover the characteristics of simple circuits.

A faculty member in the Department of Physics and Astronomy at Dickinson College for 27 years, she has published articles and books on the health effects of medical and dental X-rays, the impact of energy uses on the environment, and the uses of computer technology to enhance learning in physics. In addition, she has developed computer-based software, hardware, and curricular materials for students ranging from middle school to college levels.

Dr. Laws earned a bachelor's degree at Reed College in 1961 and a doctoral degree in theoretical nuclear physics at Bryn Mawr College in 1966. She has received awards from, among others, *Learning Magazine*, the Merck Foundation, the Sears-Roebuck Foundation, and the American Association of Physics Teachers. Currently, she is an associate editor of the *American Journal of Physics*.



Priscilla W. Laws

## Harvard professor presents Marker Lectures

George M. Whitesides, Mallinckrodt Professor of Chemistry at Harvard University, will present the 1993 Russell Marker Lectures in the Chemical Sciences March 30 through April 2 at University Park.

The four-lecture series, "Self-Assembly and Molecular Recognition" is sponsored by the Eberly College of Science and is free to the public.

The schedule includes: "Molecular Self-Assembly Using Networks of Hydrogen Bonds," 8 p.m. Tuesday, March 30, in 119 Osmond Laboratory; "Self-Assembled Monolayers on Surfaces," 4 p.m. Wednesday, March 31, in S-5 Osmond; "Self-Assembly in Biochemistry: Drug and Device Design," 4 p.m. Thursday, April 1, in S-5 Osmond; and "The Organic Solid State," 12:15 p.m. Friday, April 2, S-5 Osmond.

Dr. Whitesides has made pioneering discoveries in numerous areas, including mechanistic organometallic chemistry, materials chemistry, and the use of enzymes in synthesis. A common theme in his wide-ranging research is the use of a combination of physical and organic chemical approaches to investigate problems of fundamental and technological importance.

Throughout his career, he has been honored with numerous awards, including an Alfred P. Sloan Fellowship in 1968, the American Chemical Society Award in Pure Chemistry in 1975, the Harrison Howe Award in 1979, the Renssen Award in 1983, and an Arthur C. Cope Scholar Award in 1989.

A Fellow of the American Association for the Advancement of Science, he is also a member of the American Academy of Arts and Sciences and the National Academy of Sciences.

Currently, he holds several advisory positions, including

the National Research Council Naval Studies Board and the NRC Board on Science, Technology, and Economic Policy; the Massachusetts Institute of Technology Advisory Committee for Lincoln Laboratory; and the National Science Foundation Advanced Materials Research Advisory Committee.

Dr. Whitesides earned his bachelor's degree at Harvard in 1960 and his doctoral degree at the California Institute of Technology in 1964. In 1980, Cal Tech awarded him an Alumni Distinguished Service Award for his outstanding contributions.

Prior to joining the Harvard faculty in 1982, Dr. Whitesides was a faculty member at MIT from 1963 to 1982. He served as chair of Harvard's chemistry department from 1986 to 1989.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in astronomy, evolutionary biology, genetic engineering, the mathematical sciences, and the physical sciences.



George M. Whitesides

## Mesoamerican agricultural site to be topic of March 29 talk

When volcanically ash buried the village of Ceren, it created a remarkably well-preserved Mesoamerican agricultural site. Discovered during excavation for road construction, the village has been brought to light by the work of archaeologist Payson Sheets, professor of anthropology at the University of Colorado.

His illustrated talk about the village, "Ceren: A Classical Period Village in Southern Mesoamerica Covered by Volcanic Ash," will be presented at 8 p.m. Monday, March 29, in 101 Kern Building at the University Park Campus.

From this farming village in El Salvador has come beans still in their cooking pots, corn planted in corn hills in the fields,

and other exceptional examples of organic remains preserved by about 14 feet of ash. Ironically, the villagers chose this location for their town, at its peak between 2-500 A.D., because of the fertile earth formed from the ash of earlier eruptions. Laguna Caldera volcano, the source of their prosperity, also was the cause of their destruction.

The lecture is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America with support of the Colleges of the Liberal Arts and Arts and Architecture and the Institute of the Arts and Humanistic Studies.

The lecture is free to the public. Refreshments will be served at a reception following the talk.

# LECTURES

## Update on geophysiology slated for April 2

James E. Lovelock, CBE, will visit the Earth System Science Center at University Park Friday, April 2, and present a lecture titled, "Geophysiology—An Update," at 3:45 p.m. in Room 26, Mineral Sciences Building.

Dr. Lovelock is an influential and unorthodox British scientist, philosopher and inventor, best known as originator of the *Gaia* hypothesis, which has stimulated a great deal of scientific debate and received considerable public attention in the past decade.

Named for *Gaia*, the ancient Greek concept of Mother Earth, his hypothesis suggests in part that, through a system of complex feedbacks, Earth's biological life has an innate propensity to sustain the physical conditions required for its own survival. Much of the research currently being carried out in earth system science is, in effect, testing this hypothesis.

Among Dr. Lovelock's most significant contributions to instrument design is the invention of an electron capture detector that has revolutionized environmental analysis and played a crucial role in investigations of the greenhouse effect and the ozone layer.

A Fellow of the Royal Society (UK), he has received honorary doctorates from several British universities and such awards as the Amsterdam Prize for the Environment of the Royal Netherlands Academy of Arts and Sciences, and the Rosenstiel Award in Oceanographic Science of the University of Miami. He has held visiting fellowships at Yale and Harvard Universities, and the University of Reading (UK). For the past 20 years, he has been an independent scientist and frequent consultant to NASA and the Lunar and Planetary Research Program at the Jet Propulsion Laboratory in California.

## Colloquium features four speakers on topic of Ukrainian-Russian relations

A colloquium titled "Post-Independence Ukrainian-Russian Relations" will be held from 2 to 5 p.m. Friday, March 26, in 101 Kern at University Park.

The colloquium features four prominent speakers. The first is Professor Orest Subtelyny from York University in Toronto, Ontario, who has written *Ukraine: A History; Ukrainians in North America; and Domination in Eastern Europe, Native Nobilities and Foreign Absolutism, 1500-1715*.

The second is Professor Rex Wade from George Mason University, the author of *Documents of Soviet Russia; Politics and Society in Provincial Russia; Red Guards and Workers' Militias in the Russian Revolution; and A Second Search for Peace, February-October 1917*.

The third is Professor Sergej Utechin, professor emeritus of history at Penn State. He is the author of *Everyman's Concise Encyclopedia of Russia and Russian Political Thought, A Concise History*. The fourth speaker is Sophia Sluzar from the U.S. Department of State.

Other speakers are Oleh Bilorus, ambassador to Ukraine, or a representative from the Ukrainian Embassy, and Alexei Semeyko, consul of the Russian Embassy in the United States.

George Enten, professor of Russian history, will serve as moderator. The colloquium is sponsored by the Center for Russian and East European Studies; the Department of Slavic and East European Languages, and the Woskob Fund for Ukrainian Studies.



Anna Gajar, professor of special education; Libby Goodman, associate professor of special education at Penn State Great Valley, and James McAfee, associate professor of special education, are the authors of *Secondary Schools and Beyond: Transition of Individuals with Mild Disabilities*.

The book, published by Macmillan Publishing Co. of Columbus, Ohio, studies and addresses the issue of transition into adulthood for the mildly disabled.

The text's focus on the mildly disabled - a group educators have historically overlooked in favor of studying the seriously impaired - is in keeping with recent national studies revealing a need for more information on this subject.

It reveals research findings on effective educational practices key to easing the problems "special learners" face as they leave the public school system. Concepts and ideas from numerous disciplines are applied to vocational education, vocational rehabilitation, secondary education and post-secondary education.

The book also examines the historical development of transitional programs, from their beginnings in 1917 when disabled World War I

veterans were instrumental in initiating legislation for handicapped adults to recent legislation.

Anne Hunsaker Hawkins, associate professor of humanities at The Hershey Medical Center, is the author of *Reconstructing Illness: Studies in Pathography*.

As modern medicine has become more scientific and dispassionate, a new literary genre has emerged. *Pathography* is personal narrative that relates the experience of an illness, treatment, and sometimes death.

*Reconstructing Illness* is built around the strategies used by the suffering patient to cope with illness, with individual chapters focusing on different myths underlying many pathographies: rebirth and renewal; the paradigms of quest and conquest; mythic formulations of death and dying; and the complex of attitudes, assumptions and practices that Dr. Hawkins terms "healthymindedness."

She points out how certain authors use myths to help them cope with illness, thus rendering the illness and suffering bearable—even meaningful—but she also provides examples of how certain myths can have a disabling effect on some patients, rendering the illness experience alienating and frightening.

Dr. Hawkins also provides illustrations of how contemporary pathographies both reflect and shape our current mythology about illness.

James Keiser, retired associate professor of hotel, restaurant, and institutional management, and Frederick J. DeMico, associate professor of hotel, restaurant and institutional management, are co-authors of the third edition of the textbook,

*Controlling and Analyzing Costs in Foodservice Operations*.

The book is intended to be used in courses in foodservice management, specialized foodservice financial management, and accounting. It covers a number of areas that affect costs in a foodservice operation: personnel, accounting, marketing, forecasting, financing, menu pricing, and property management.

The third edition stresses the relationship among costs, volume, and profits, as well as the importance of controlling variable and fixed costs to maximize profits. It also has more information on the role of technology in foodservice management and control. Other additions include food management information systems, total quality management (TQM), indirect payroll (especially in health costs), insurance costs, menu engineering, and liquor liability in beverage-cost control.

The book is published by Macmillan Publishing Company.

James Porterfield, editor for the Department of Independent Learning and instructor in marketing, is the author of *Dining by Rail: The History and Recipes of America's Golden Age of Railroad Cuisine* (St. Martin's Press, 1992).

The book travels back to an era when railroads were known as much for their famous chefs and fine foods as they were for their destinations. Dining cars featured crisp linen, polished silver and award-winning foods normally found only in the finest restaurants. More than 325 recipes from the great railroads of the 20th century are included in *Dining by Rail*, as well as the story of the evolution of the dining car.

While writing the book, Mr. Porterfield maintained his train of

thought by traveling countless miles by rail across the country collecting data on the history of railroad cuisine. He sorted through more than 7,500 authentic railroad recipes to determine which were most appropriate to include.

Audrey T. Rodgers, professor of English, is the author of *Denise Levertov: The Poetry of Engagement*, published by Fairleigh Dickinson Press.

The book is concerned both with Denise Levertov's social consciousness as manifested in her earliest poetry and with her growth as a "poet in the world."

Although highly praised as a poet of lyric sensitivity, she was censured by many critics for her poetic response to the Vietnam War, accused of trading aesthetics for polemics.

Dr. Rodgers works to dispense the assumption that art and politics are mutually exclusive in a reviewer's work. Instead Levertov's poetry reveals a consistency and pattern in what she herself has called the "poetry of engagement."

Throughout a long artistic career, Levertov does not ignore social injustice, but inspires, as well, a search for a transcendent faith and an exploration of human potential, love, and hope, Dr. Rodgers says.

Dr. Rodgers, a member of the faculty for 32 years, graduated from Hunter College and received an M.A. and Ph.D. in English from Penn State. Her special interests are twentieth-century English and American poetry, and literature written by women.

She is the author of *The Universal Drum: Dance Imagery in the Poetry of Elton, Crane, Roellike, and Williams and Virginia and Whitlow: The Image of Women in the Poetry of William Carlos Williams*.

### Horn ensemble

The Penn State Horn Ensemble will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program will include "Variations on a 5 Note Theme" by Garcia, "Suite for 8 Horns" by LoPresti and "Irish Tune" by Grainger, arranged by April Belfiore, a Penn State alumna. The Penn State Horn Ensemble consists of 15 students from the studio of Lisa Bontrager, assistant professor of music and director of the ensemble. Trent Howe, graduate hom performance major, is assistant director and librarian.

### Winter concert

The Penn State Philharmonic will present its Winter Concert at 8 p.m. Friday, March 26, in the School of Music Recital Hall on the University Park Campus.

The program will include Alban Berg's Violin Concerto, a work long considered a turning point in the modern concerto for violin and a masterpiece from the early part of this century. Peter Llych Tchaikovsky's Symphony No. 5 in E Minor also will be featured.

The Penn State Philharmonic is under the direction of D. Douglas Meyer, associate professor of music, conductor of the Pennsylvania Centre Chamber Orchestra and music director of Music at Penn's Woods. Soloist for the concert will be violinist James Lyon, assistant professor of music.

The concert is free to the public.

### Women's Chorus

The Penn State Women's Chorus will present a spring concert at 4 p.m. Sunday, March 28, in the School of Music Recital Hall on the University Park Campus.

The chorus will perform a program of popular ballads and folk songs by Vaughan Williams, Thompson, Copland and Dawson. The Penn State Keynotes, an a cappella chamber choir, will present English madrigals of the 16th century.

The concert will conclude with a guest appearance by the men of the Penn State Glee Club for a performance by the combined choruses of Rutter's "Down By the Riverside" and "American Legacy" by Bruce

Trinkley, associate professor of music and Glee Club director.

The Penn State Women's Chorus and Keynotes are under the direction of Lynn Drafall, assistant professor of music, and Elizabeth Tilghman. The concert is free to the public.

### Piano recital

Pianist Steven Smith will present a solo faculty recital at 8 p.m. Sunday, March 28, in the Recital Hall of the Music Building on the University Park Campus.

The program will include several works of favorite piano music from the nineteenth and early twentieth centuries, including Beethoven's "Moonlight" and "Appassionata" Sonatas, as well as groups of pieces by Chopin and Debussy. Also included is a set of three "Summer Pieces, 1983" by John Beall, composer in residence at West Virginia University.

Professor Smith, a member of the Penn State faculty since 1972, is a frequent local performer, and has played throughout the United States, Western Europe, Africa, and (in a 1992 tour) Hong Kong. The recital is free to the public.

### Poetry reading

Diane Wakoski, distinguished professor at

Michigan State University, will give a poetry reading at 8 p.m. Monday, March 29, in 112 Walker on the University Park Campus.

She has published 18 volumes of poetry, the most recent of which was titled *Emerald Ice: Selected Poems, 1962-1987* and won the William Carlos Williams Award.

She received a Guggenheim Foundation grant in 1972, a National Endowment for the Arts grant in 1973 and a Writer's Fulbright Award in Yugoslavia in 1984.

### Ballet Hispanico

Ballet Hispanico, the nation's leading Hispanic-American dance company, will perform at 8 p.m. Saturday, April 3, in Eisenhower Auditorium on the University Park Campus.

Artistic Director Tina Ramirez mixes flamenco, classical Spanish, popular Latin American and traditional Caribbean dances with ballet and modern techniques to create Ballet Hispanico's dynamic style.

Founded 20 years ago when Ms. Ramirez established a studio for minority and economically disadvantaged youth, her New York school today teaches more than 1,000 students and the performing company has appeared before more than one million people.

The dance company also will perform at 3 p.m. Sunday, April 4, in Eisenhower Auditorium.

This program, originally designed for children, will salute the influences of Spain and Spanish-speaking countries on the Americas.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (614) 863-0255.

### Spring concert

The Penn State Concert Choir and Chamber Singers will present their annual Spring Campus Concert at 8 p.m. Saturday, April 3, in the School of Music Recital Hall on the University Park Campus.

The program will feature interpretations of the text "Ave Maria" in works by Vittoria, Handel, Howland, Diet and Rachmanninoff. Selections

for double choir will include works by Schutz, Mozart, Mendelssohn, Brahms, Pearsall and Vaughan Williams. The program also will feature "Hallelujah," "Weary Traveler" and "Harvest Due" by Bruce Trinkley, associate professor of music and director of the Penn State Glee Club. Spirituals and hymn arrangements will conclude the Concert Choir's presentation.

The Chamber Singers, a select group of 21 members of the Concert Choir, will present traditional madrigals as well as 19th- and 20th-century part songs in German and English. Featured will be "Love Lost," Four Satirical Poems on Love" in a setting by Paul Sjodalund.

Organized in 1981, the 62-voice Penn State Concert Choir has performed extensively in the eastern United States and Canada during its fall and spring concert tours.

The Penn State Concert Choir and Chamber Singers are under the direction of interim director Anthony Leach, Ph.D. candidate in music education.

### "A Coal Region Opera"

"A Coal Region Opera," composed by Paul Miller, instructor of music at the Penn State Schuikill Campus, will be performed in Germany in 1993 as part of an international opera exchange between Germany and the United States. The opera will be featured as the main event during the annual American Music Week festival in Bonn, Germany.

"A Coal Region Opera" premiered in 1992 in Pottsville, Pa., in the heart of the anthracite coal region. A two-act production performed in English, the opera spins a story of love, deceit and the hardships of coal miners and their families at the turn of the 20th century.

Mr. Miller is completing his DMA at Temple University. His work was last performed in Germany in 1986 when he was awarded first prize in the College Music Society's International Composition Competition for his Sonata for Cello and Piano.

### Centre Stage

Pennsylvania Centre Stage, the regional professional theatre located on the University Park Campus, has announced its 1993 season.

This year's selection represents favorites of American theatre, works that have become classics while remaining audience pleasers. The productions will include the delightful children's fable "Androcles and the Lion," the bittersweet musical "Funny Girl," the murderously funny farce "Arsenic and Old Lace," and off-Broadway's famous "The Fantasticks."

The 1993 Centre Stage season opens with a delightful children's play by Auran Harris, who also authored last year's popular "Yankee Doodle." Based on a popular children's fable, the play concerns a slave named Androcles who removes a thorn from a lion's paw. Later, he finds himself in the lion pit with the same lion. "Androcles and the Lion" plays May 21, 22, 23 and 29 at the Pavilion.

The musical that launched Barbara Streisand to stardom, "Funny Girl" tells the story of the famous comedienne Fanny Brice. Many know the many laughs Brice brought throughout her career, but few realize the pain she also endured as a performer. "Funny Girl" runs June 18 through July 3, with previews June 16 and 17, at the Playhouse.

The plot of "Arsenic and Old Lace" centers around Abby and Martha Brewster, two loveable old women who share their house with nephews Teddy, a harmless but insane fellow who believes he's Teddy Roosevelt, and Mortimer, a theatre critic. It runs July 2 through July 17 with previews June 30 and July 1 at the Pavilion.

"The Fantasticks" opened May 3, 1959, at the off-Broadway Sullivan Street Theatre and is still going today, making it the longest running theatrical production in New York City and in American theatre history. "The Fantasticks" shows July 16 through July 31 with previews July 14 and 15 in the Playhouse.

Season subscriptions are now available. For a brochure or additional ticket information, call the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (614) 863-0255. Major credit cards are accepted.

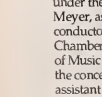
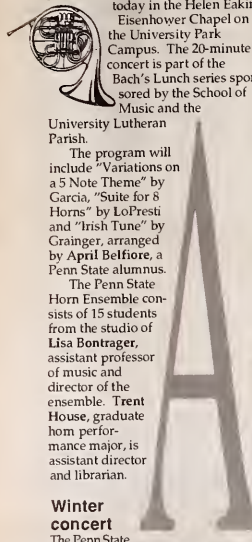
### Odyssey on WPSU

Batman merits scholarly study because "So many people's attention and so many people's capital are directed toward this object," argues film professor William Uricchio on the next broadcast of Odyssey Through Literature.

Professor Uricchio discusses Batman's "moment of profound cultural engagement" with host Leonard Rubinstein, seeking to define "what his popularity reveals about this country."

In comic books, on TV, and in films, Batman exemplifies "the state of the art of our culture industries," he says.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.



# University Park Calendar

## March 25 — April 3

### SPECIAL EVENTS

**Thursday, March 25**  
Beef Expo, Ag. Arena, through March 28.  
Union Programs and Operations, noon, Kern Lobby. Noontime concert featuring Paul Young.  
Bad's Lunch, 12:10 p.m., Helen Eakin Eisenhower Chapel. The Penn State Horn Ensemble.  
Information Fair, 2-4 p.m., Colonial Room, Nittany Lion Inn.  
Marker Lectures in Mathematical Sciences, 4 p.m., 110 Work Lab. George D. Mostow on "Non-Anthelmicity and Hypergeometric Functions."  
Society for International Development, 6 p.m., 222 Boucke Bldg. Informational/Pizza Mixer.  
Center for Higher Education, 7 p.m., 101 ASI Bldg. Eloy Rodriguez on "Lighting the Fuse: Undergraduate Science Education."  
■ Tri-Science Symposium, 7:30 p.m., Eisenhower Auditorium. "Gulf War and the Future of Joint Operations."  
School of Music, 8 p.m., Recital Hall. Penn State Philharmonic, Douglas Meyer, conductor.  
Feminist Scholars, 8 p.m., HUB Gallery. Cynthia Enloe on "Is the End of the Cold War Good for Women? A Feminist Perspective."

**Friday, March 26**  
■ Asian-American Awareness Weekend, 111 Chambers, through March 27. Theme is "Strength Through Diversity."  
Union Programs and Operations, noon, Kern Lobby. Noontime concert featuring Gordon Law and Friends, a modern jazz group.  
■ "Post-Independence Ukrainian-Russian Relations" colloquium, 2-5 p.m., 101 Kern Bldg.  
Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Mac Post on "Terrestrial Vegetation and the Global Carbon Cycle."  
**Saturday, March 27**  
Minority Faculty Development, 9:30 a.m.-noon, 114 Kern Bldg. Bala Brindis on "External Funding and Proposal Writing."  
Shaver's Creek, 1:30-4 p.m. Native American Program III/Display of Artwork and Various Handicrafts of Pennsylvania Native Americans.  
Shaver's Creek, 2:30-3 p.m. In Like a Lion, Out Like a Lamb.  
**Sunday, March 28**  
School of Music, 4 p.m., Recital Hall. Penn State Women's Chorus, Lynn Ellen Drafall and Elizabeth S. Tiehman, conductors.  
School of Music, 8 p.m., Recital Hall. Steven Smith, piano.

**Monday, March 29**  
■ Comparative Literature, 12:15 p.m., 101 Kern Bldg. Justine Cassell on "Development of Gender Stereotypes in French."  
■ Sigma Xi Annual Lecture, 3:30 p.m., 112 Kern Graduate Center. Alan G. Thome on "The Origin of the Australians: Reconsideration of Morphological and Molecular Models of Modern Human Origins."  
■ AAUW Used Book Sale, Payson Sheets on "Caren: A Classical Period Village in South Mesopotamia Covered by Volcanic Ash."  
Poetry Reading, 8 p.m., 112 Walker Bldg. Featured guest Diane Wakoski.

**Tuesday, March 30**  
Professional Women at Penn State, 11:45 a.m., Frizzell Room, Eisenhower Chapel. Charlene H. Hanson on "The Courageous

and the Classy: Adult Learners!"  
School of Communications, 11:45 a.m.-1 p.m., 101 Carnegie Bldg. John Nichols on "Applications of Film and Video in Public Education and Policy."

Herman.  
■ Accounting, 3:30 p.m., 333 Beam BAB. Regina M. Avolio on "Capital Budgeting Using Residual Income Maximization."  
Geography, 3:30 p.m., 319 Walker Bldg. Alfred Pletsch on "The Economic and Social Consequences of Germany's Unification."  
Earth System Science Center, 3:45 p.m., 26 Mineral Sciences Bldg. James E. Lovelock on "Geophysiology—An Update."

**Saturday, April 3**  
AAUW Used Book Sale, 9-9 p.m., HUB Ballroom. Also April 4-7, 9 a.m.-9 p.m., daily.  
Shaver's Creek, 10 a.m.-2 p.m. Colored Pencil Workshop, call 863-2000.

■ Center for the Performing Arts, 7 p.m., Eisenhower Green-room. A member of Ballet Hispanico on "Artistic Viewpoints."  
■ Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Ballet Hispanico, tickets required, also April 4.

School of Music, 8 p.m., Recital Hall. Penn State Concert Choir/Chamber Singers, Anthony Leach, conductor; tickets required.

**Sunday, April 4**  
Shaver's Creek, 2-3 p.m. Winged Hunters, call 863-2000.  
School of Music, 3 p.m., Recital Hall. Penn State University Choir, Lynn Ellen Drafall, conductor.

### CONFERENCES

**Thursday, March 25**  
Leadership Training Program, 60 attendees, Nittany Lion Inn. B. Hartman, chair; Carolyn Anderson, coordinator.

Fundamentals of Surface Mining, 12 attendees. Nittany Lion Inn. Barry Philips, chair; Barb Impeller, coordinator; through March 26.  
PP & L Leadership Forum, 25 attendees, Nittany Lion Inn. J. Mencher, chair; through March 26.

Developing Managerial Effectiveness Program, 20 attendees, Nittany Lion Inn. J. Rose, chair; through March 26.

Small Water System Design Workshop, 12 attendees, Nittany Lion Inn. David Long, chair; Eric Loop, coordinator; through March 26.  
■ Medieval Studies Conference, Nittany Lion Inn, through March 27. "The Stage as Mirror: Civic Theatre in Late Medieval Europe." A medieval banquet on March 25 will feature a performance of the biblical play, "Susannah and the Elders."

**Saturday, March 27**  
Leaders of the Future, 150 attendees, Keller Conference Center. D. Cragle, chair; Nancy McCord, coordinator.

**Sunday, March 28**  
Industrial Sales Management Program, 25 attendees, Nittany Lion Inn. P. Bennett, chair; J. Mencher, coordinator; through April 2.

**Monday, March 29**  
Financial Analysis for 20 Strategic Management, 20 attendees, Nittany Lion Inn. T. Curfey, chair; J. Mencher, coordinator; through April 8.  
Mastering Quality Communications and Innovative Thinking, Keller Conference Center.  
**Tuesday, March 30**



**Ballet Hispanico**, the nation's leading Hispanic-American dance company, will perform at 8 p.m. Saturday, April 3, in Eisenhower Auditorium at University Park.

American Studies, 3-5 p.m., Paul Robeson Cultural Center. Col. Norman McDaniel and Capt. Luther Smith on their POW experiences.  
American Studies, 7 p.m., Paul Robeson Cultural Center. Capt. Luther Smith with feature film "The Tuskegee Armen."  
Art History, 8 p.m., 112 Walker Bldg. Helmut Heger on "Andrea Pozzo and Carlo Fontana: Architecture and Illusion."

**Wednesday, March 31**  
CWS Brown Bag Lunch, noon, 120 Boucke Bldg. Patty Johnson on "Spirituality and Healing from Abuse: An Informal Discussion."  
■ Political Science, 12:10 p.m., 12 Sparks. Vernon V. Asparutian on "The Former USSR: In Search of Identity."

**Thursday, April 1**  
Undergraduate Research Fair, through April 3. CWS, noon, 120 Boucke Bldg. Donna Hughes on "Feminist Activism."  
■ The Russian Club, 1-2:15 p.m., 101 Outreach. Evgenia Abats on "Uncovering The Work Of The KGB" and "The Current Status Of The Russian Press."  
LIAS Training, 7 p.m., C402 Pattee Library. Training class on new searching techniques.  
Feminist Scholars, 8 p.m., HUB Gallery. Elizabeth Ellsworth on "Who Does This Lecture Think You Are? Academic Performances of Gender and Other Social Identities."

**Friday, April 2**  
Storytelling Program, 10-11 a.m., Penn State Bookstore. Featured storyteller, Carol

Plant Pathology, 1-2:15 p.m., 112 Buckhout Lab. Peter Landshoff on "Patch Disease of Turf Grasses Caused By Ectotrophic Root-Infecting Fungi."

**Thursday, April 1**  
Forest Issues Conference, 250 attendees, Deyn Inn Penn State, through April 2.  
**Saturday, April 3**  
Challenges and Achievements III: A Networking Conference for Women in the Sciences and Engineering.

### SEMINARS

**Thursday, March 25**  
Physics, 3:30 p.m., SS Osmond Lab. Gordon Fleming on "Current Problems in Quantum Measurement Theory."  
Gerontology, 4-5 p.m., 106 Mitchell Bldg. Cheryl Achberger on "Nutritional Labeling."

**Friday, March 26**  
Ceramic Science, 10 a.m., 301 Steidle. Terry Aselage on "Boron-Rich Solids."  
Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Don Davis on "Forest Health Along an Atmospheric Deposition Gradient."

■ Center for Higher Education, 2:30 p.m., 108 Work Lab Laboratory. Eloy Rodriguez on "Novel Photochemicals from the Amazon and African Rain Forests."

**Saturday, March 27**  
Adult Learner Svcs., Career Development/Placement Svcs., 9 a.m.-noon, 321 Boucke Bldg. "Women's Career and Life Planning Seminar Series," also April 3.  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. Gary Halford on "Space Shuttle Main Engine: Durability Issues and Solutions."

**Monday, March 29**  
Agricultural and Biological Engineering, 12:20-1 p.m., 230 Agricultural Engineering Bldg. Niranjan Pathare on "Automated Inspection Station for Grading/Soring of Potatoes," and Jerrold L. Gross on "Evaluation of Intertill Erosion On Very Steep Slopes."  
Physics, 3:30 p.m., SS Osmond Lab. Priscilla Laws on "Teaching Introductory Physics Without Lectures."

**Tuesday, March 30**  
Geoscience, 3:30 p.m., 341 Deike. Stephen Marshak on "The Interaction Between Brines Migration and Intracontinental Tectonics."  
Operations Research, 4:35 p.m., 210 Hammond Bldg. Robin Roudon on "Interactive Real-Time Scheduling and Sequencing for Due-Date-Constrained Manufacturing Systems."

**Thursday, April 1**  
Physics, 3:30 p.m., SS Osmond Lab. Thomas Gramila on "Virtual Photon Exchange And How To Directly Measure It."  
**Friday, April 2**  
Research in Conflict and Negotiation, 10:30 a.m., 115 Beam Bldg. Ella L. Belle on "The Concrete Wall versus the Glass Ceiling: Career Perceptions of Black and White Women."

### EXHIBITS

**Zoller Gallery:**  
Undergraduate Juried Exhibition, through March 30.  
Master of Fine Arts Thesis Exhibition, through April 17.  
**Pattee Library West Lobby Gallery:**  
"The Sound of Light," photographs of concerts given by The Cure, Living Colour, Queensryche, and Others, by Kyle Burkhardt, through March 31.

■ Reflects an international perspective

## Faculty receive newly-established award from association

Carroll C. Arnold, professor emeritus of speech communication, and Dennis S. Gouran, professor and head of speech communication, have been honored by the Speech Communication Association (SCA).

Dr. Arnold received the newly established Speech Communication Association Distinguished Scholar Award and the Lifetime Excellence in Teaching Award. Dr. Gouran received a Distinguished Scholar Award.

The SCA Distinguished Scholar Award was given for the first time to ten individuals in the profession in recognition of outstanding scholarly achievement that has made a measurable difference in determining the directions of the field.

In the future, a maximum of three awards will be conferred in any given year. Eligible candidates may be selected from the entire 78-year history of the association.

The Lifetime Excellence in Teaching Award recognizes individuals whose involvement in teaching over an entire career has demonstrated the highest level of distinction. Dr. Arnold is the second individual ever to have received the honor.



Carroll C. Arnold



Dennis S. Gouran

## Two faculty members named Young Investigators

Two University faculty members have been named by the Office of Naval Research to receive grants under its Young Investigators Program.

Barbara A. Shaw, assistant professor of engineering science and mechanics, College of Engineering, and Darrell G. Schlom, assistant professor of materials science and engineering, College of Earth and Mineral Sciences, each will receive a basic award of \$75,000 a year for three years. As an incentive, ONR will match, on a two-for-one basis, the first \$25,000 of research support obtained from other Navy sources.

The Young Investigator Program, initiated by the Chief of Naval Research nine years ago, is open to U.S. citizens holding tenure-track positions at American colleges and universities, who have earned their Ph.D. within the last five years. Drs. Shaw and Schlom were among the 17 recipients chosen this year from 257 applications.

Dr. Shaw will focus on lightweight, strong and corrosion resistant materials. Her current research is in the area of engineered materials with an emphasis on the structure, processing and environmental degradation of nonequilibrium alloys and metal matrix composites.

Her ONR award will support research aimed at enhancing the corrosion resistance and mechanical properties of lightweight metals through the use of graded nonequilibrium microstructures. Nonequilibrium alloying methods, such as vapor or sputter deposition, provide a means for tailor-made alloys with enhanced properties. By grading the composition and structure of the nonequilibrium alloys during processing, she hopes to optimize both the corrosion resistance

and mechanical properties of the alloys.

Dr. Shaw also is the recipient of a National Science Foundation Young Investigator award. She received her B.S.E. in ocean engineering from Florida Atlantic University in 1980. She was employed as a materials engineer at the U.S. Navy's David Taylor Research Center from 1981 to 1988.

She received an M.S.E. and Ph.D. in materials science and engineering from Johns Hopkins University in 1985 and 1989, respectively. From 1988 to 1990, she was a research scientist at Martin Marietta Laboratories. She joined the University faculty in 1990.

Dr. Schlom will focus on high temperature superconductivity. His current research is in crystal growth of thin film electronic materials, particularly oxides which exhibit the entire spectrum of electronic properties—insulators, semiconductors, metals, high temperature superconductors, ferroelectrics, piezoelectrics, and ferromagnets.

He is interested in layered single crystal films, epitaxially attached to each other and compositionally and structurally controlled at the level of single atomic layers.

Dr. Schlom received his bachelor's degree from the California Institute of Technology and his Ph.D. from Stanford. He has done postdoctoral studies at IBM in Zurich, Switzerland and Stanford. He joined the University faculty in 1992.

In 1991, he received an IBM Invention Achievement Award and in 1990, he received the AIME Ross N. Tucker Memorial Award.

## Graduate students honored for teaching skills

Ten graduate students have received Graduate Assistant Awards for Outstanding Teaching.

The University-wide award, sponsored jointly by the Graduate School and the Office of the Vice Provost and Dean for Undergraduate Education, recognizes recipients for excellent teaching in the areas of physical science and engineering, life sciences, social and behavioral sciences, and arts and humanities. All University degree programs are included in one of these areas.

Nominees were evaluated by the selection committee on several criteria including effectiveness of their presentation, use of clear and fair evaluation procedures, availability and accessibility, and sensitivity to individual differences in the classroom.

Nominees were advanced degree candidates who have taught at least two semesters.

The 1993 award winners are:

— Arts and Humanities: Benjamin A.L. Click III, English; Janet Hartranft, art education; Dominique Laurent, French; Lisa Salay Miller, art history.

— Life Sciences: Lisa A. Holden, animal science; Martha J. Jeehan, anatomy.

— Physical Science and Engineering: Jon W. Ball, chemistry; Joseph C. Venuti, meteorology; Robert S. Yost, electrical engineering.

— Social and Behavioral Sciences: Sean M. Snaith, economics.

### The College of Education

## Five recognized for outstanding work

The College of Education has honored five of its most outstanding faculty and staff. Recipients of the awards are:

Barbara Grabowski, associate professor of education, the Outstanding Faculty Award, created to recognize outstanding achievement of a tenure-track faculty member.

Dr. Grabowski joined the University faculty in 1991. Her education includes a B.S. in elementary education from Villa Maria College, an M.Ed. in education from Towson State College, and a Ph.D. in curriculum and instruction from Penn State.

Lita Schwartz, professor of educational psychology at the Penn State Ogontz Campus, the Career Achievement Award, created to recognize the overall career accomplishments of a tenure faculty member.

Dr. Schwartz has been with Penn State since 1966, and has received many awards and accolades through-

out her career. Her degrees include an A.B. in economics from Vassar College, an Ed.M. in clinical psychology from Temple University, a Ph.D. in education and child development from Bryn Mawr College, and a certification from the Management Institute for Women in Higher Education at Wellesley.

Susan Kunkle, staff assistant in the Department of Adult Education, Instructional Systems, and Vocational and Industrial Education, the New Professional Award for Support Staff, created to recognize the excellence of a new staff, non-exempt employee.

Ms. Kunkle has been with the College of Education for one year. Her education includes coursework at Penn State and many professional development seminars.

Linda Hafilly, staff assistant in the Department of Curriculum and Instruction, the Support Staff

Recognition Award, created to recognize the excellence and professionalism of a staff, non-exempt employee.

Mrs. Hafilly has been an employee of Penn State since 1986, serving in several different positions within the College of Education. Her education includes many corporate seminars and professional development workshops.

Sharon Suritsky, assistant professor of special education, the Excellence Award, created to recognize the achievements of a staff-exempt or non-tenure track professional.

Dr. Suritsky holds both B.S. and Ph.D. degrees in special education from Penn State. Her M.S. degree also is in special education, and was completed at Bloomsburg University. She has been a faculty member since her graduation earlier this year.



# Focus on Research



Intercom  
March 25, 1993



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## University scientists model HIV mutation secret

*Discovery provides a  
lead for the manufacture  
of potent AIDS-fighting  
drugs*

University chemists have discovered how the HIV-1 virus may develop mutations that contribute to its resistance to AIDS drugs.

Working with isolated components of the virus, the chemists have discovered that an enzyme in HIV-1 called reverse transcriptase adds extra material to the genetic code of the virus more than 50 percent of the time during a key step in its reproductive process.

This discovery is perhaps the most dramatic component of a new hypothetical model developed by the chemists to explain the reproductive behavior of HIV-1. If the Penn State model is proven to accurately describe the chemistry in living human cells infected with HIV-1, it provides a novel lead for designers of drugs to target the reverse transcriptase component of the HIV-1 virus.

James A. Peliska, postdoctoral fellow, and Stephen J. Benkovic, Evan Pugh professor of chemistry and holder of the Eberly Family Chair in Chemistry, described this research in the journal *Science*.

"It is well known that the virus has to transform its genetic material — RNA — into the form of human genetic material — DNA — in order to survive," Dr. Peliska explained. "This HIV-1-derived DNA slips into the human cell's own DNA where it is able to reproduce and then infect other cells."

The team examined how the reverse transcriptase molecule builds DNA, which looks somewhat like a closed

zipper twisted into a spiral shape, from the virus's RNA, which resembles an open zipper cut into pieces.

The reverse transcriptase molecule synthesizes DNA by using pieces of RNA as templates, moving the growing DNA fragment from one piece of RNA to another in a process known as strand transfer.

"Previous studies indicated that strand transfer occurs in living cells infected with HIV-1, but this is the first study to reveal in detail how it actually works," Dr. Peliska said.

The molecule constructs the first side of the DNA one "tooth" at a time by using the RNA as a template and chemicals from the cytoplasm of the human cell as building blocks. When it reaches the end of one piece of RNA, it makes the strand transfer jump to another piece until the length of DNA is finished.

Next, the reverse transcriptase molecule removes the RNA template from the new DNA strand. Finally, it uses the new DNA strand as a template for manufacturing the other half of the two-sided DNA.

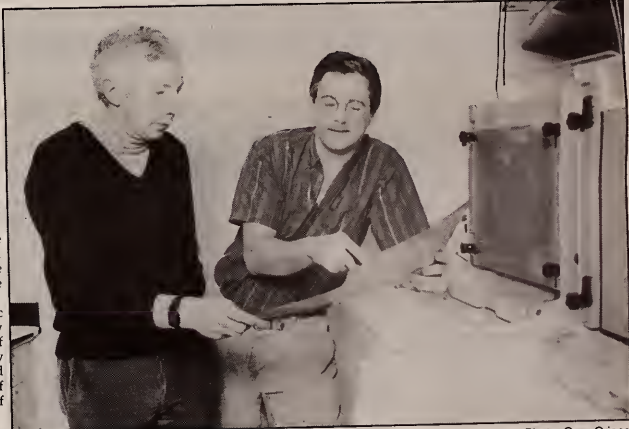
Each "tooth" in the DNA "zipper" is one of four chemical compounds, which scientists have labeled A, T, G, and C for their chemical names: adenine, thymine, guanine and cytosine. When the two sides of the DNA link up in the completed molecule, an A pairs with a T and a G pairs with a C, forming what are known as base pairs. The ordered sequence of these base pairs makes up the genetic code of the virus.

Scientists have known for a long time that reverse transcriptase is a sloppy worker that makes mistakes by occasionally producing a mismatched base pair.

"People always have assumed that this sloppiness is the cause of the numerous mutations that we see in HIV-1, but we think these mistakes may not alone account for the rapid rate at which HIV-1 mutates after it affects the human host," the authors said.

The molecule now appears to be even sloppier than previously suspected. The Penn State chemists discovered that when it gets to the end of a piece of RNA template, it adds an extra base more than 50 percent of the time, permanently changing the sequence of base pairs.

If it happens to add a G to the first strand of DNA, it will automatically match it with a C as it is making the second side of the two-stranded DNA,

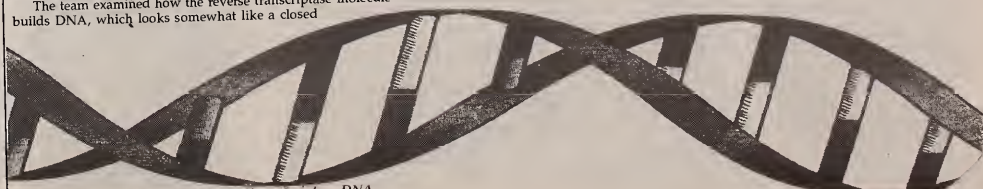


Stephen J. Benkovic and James A. Peliska

Photo: Greg Grieco

permanently incorporating the mutation into its own reproductive code. "Because multiple strand transfers may occur during reverse transcription, the potential for mechanism-induced mutation could indeed be quite high," they explained.

— Barbara K. Kennedy



A strand of the complex human genetic material — DNA

SPECIAL RECOGNITION

# Vice president honored with humanitarian award

William W. Asbury, vice president for student affairs, is the 1993 recipient of the Barash Award for Human Services. The honor will be presented at the Academic Awards Convocation at 2 p.m. Sunday, March 28, in Eisenhower Auditorium on the University Park Campus.

The family of the late Sy Barash created the annual award in 1975. It recognizes a full-time member of the Penn State faculty, staff or student body who has contributed most, apart from regular duties, to human causes, public service activities and organizations for welfare of fellow humans.

Mr. Barash, a Penn State graduate, was a State College businessman from 1953 until his death in 1975. Over the years, he devoted much time, energy and leadership to humanitarian causes and on and off campuses.

Since moving to State College in 1976, Mr. Asbury has worked with a wide range of community organizations and in 1991, he was named Volunteer of the

Year for Counseling Services Inc. of which he is a past president. He was the 1992 winner of the Benjamin Rush Award given by the Centre County Medical Society for outstanding volunteer service to the county's health and welfare.

Mr. Asbury currently is a member of the Leadership Centre County Board of Directors and is the chairman of its recruitment and selection subcommittee. He is a director on the Centre County Associate Board of Mid-State Bank and Trust Co.

He is a past chairman of the fundraising committee for the American Cancer Society of Centre County and chaired its annual Jail-A-Thon in 1990 and 1991; a member of the board of Centre HomeCare Inc., chairing the resource development committee; a past president of the board of the United Way of the and a member of the board of the Quakerback Club; honorary chairman of the Penn State 4-H Ambassador program; and distinguished past president of

the Kiwanis Club of State College. He also is a member of the University Club, Nittany Lion Club and the Basketball Club, all at Penn State.

Previously, Mr. Asbury was a member of the finance committee and the board of directors of The Second Mile; the President's Advisory Committee; Trustee International Soap Box Derby, Inc. in Akron, Ohio; advisory committees of the Urban League Labor Educational Advancement Program; the finance committee of the Western Reserve Girl Scout Council; Executive Committee of the Hemlock Girl Scout Council where he was a vice president; State College NAACP; and Strawberry Fields Inc., where he was a board member and served as vice chairman.

Prior to coming to Penn State, he worked as director of Human Resource Utilization at Kent State University in Ohio; as a contract compliance officer for the City of Akron and as a senior consultant for Sanford Rose Associates in Akron.



William W. Asbury

Mr. Asbury received a bachelor of arts degree and a master of arts in sociology from Kent State University, and is a life member of the Kent State University Alumni Association. From 1966 to 1969, he was a running back for the Pittsburgh Steelers of the National Football League.

# DuBois Campus acting director cited for overall contributions

The Mackay Donkin Award will be presented to Mary M. Dupuis, acting director of academic affairs at the Penn State DuBois Campus, at the Academic Awards Convocation at 2 p.m. Sunday, March 28, in Eisenhower Auditorium on the University Park Campus.

The award is presented to the full-time member of the faculty or staff or the retiree who has contributed most to the economic, physical, mental or social welfare of the faculty at Penn State.

Dr. Dupuis received her B.A. degree in speech from George Washington University, an M.A. degree in English from Purdue University and a doctorate in secondary education from Penn State.

A former high school English teacher, she came to Penn State as an instructor of secondary education in 1967. Named an assistant professor in 1971, she became associate professor in 1979 in the areas of reading and English education within curriculum and instruction. She was promoted to professor in 1985.

Between 1983 and 1988, she served as coordinator of secondary education for the College of Education. In 1988, she was an administrative fellow for the Office of the Senior Vice President for Finance and Operations, then professor-in-charge of the Reading,

Communication, and Language Education (RCLED) program for the Division of Curriculum and Instruction in the College of Education.



Mary M. Dupuis

Between 1989 and 1992, Dr. Dupuis was director of teacher education for the College of Education. Beginning in 1990, she also was associate dean for undergraduate programs for the College of Education. Two years later, she was appointed acting director of academic affairs at the DuBois Campus.

In 1985, she organized the Research in Teacher Education Committee, which she still chairs. She has been a member of the University Faculty Senate for the past 10 years.

Dr. Dupuis has held a number of consultancies for school districts, including the State College Area School

District since 1974. She has served on numerous educational committees and was project director of the Penn State Educational Partnership Program, Write to Learn Program, for the Reading School District in 1988-89.

Serving as chair of the Commission for Women in 1990-1991, she also was a member of the Strategic Study Group on the Status of Women. She continues her work to improve the status of women through the New Agenda Committee of the Commission for Women and the newly established Women's Athletic Committee.

Dr. Dupuis has presented papers and chaired sessions at many professional meetings, while contributing a steady flow of journal publications and engaging in a variety of university and community activities. In addition, she has been an adviser to undergraduate, master's and doctoral students, and more than 25 of her doctoral advisees have graduated since 1974.

A colleague in the College of Education writes, "Mary is a tireless professional who always seems to find time to continue her mentorship of former students and junior faculty."

# College of Engineering recognized by U.S. News and World Report

The College of Engineering was ranked 13th nationally and eighth among public schools in the annual U.S. News and World Report Survey of America's Best Graduate Schools, published in the magazine's March 22 edition.

In addition, the University's MBA program, part of The Smeal College of Business Administration, was a runner-up in the annual survey of the nation's graduate business schools. The college was listed in an alphabetized second-tier list of graduate business programs.

"We are pleased with the recognition of the excellent quality of our program," David Wormley, dean of

the College of Engineering, said. "Among the key factors to our success include the quality and dedication of our faculty and their efforts to mentor and educate our outstanding graduate students. The support of industry in our educational and research programs also has been instrumental in their development."

The top five engineering schools are Massachusetts Institute of Technology, Stanford University, University of Illinois at Urbana-Champaign, University of California at Berkeley and Purdue University. For The Smeal College of Business Administration, the second-tier list is dominated by many

prestigious public universities and includes six other Big 10 MBA programs.

Private schools dominated the top five rankings, led by Harvard University, Stanford University, University of Pennsylvania and Northwestern University. The University of Michigan at No. 5 was the highest ranked public school.

According to a separate poll of business school specialty programs, deans and MBA program directors named The Smeal College's Department of Business Logistics among the five leading programs in its field.

## FACULTY / STAFF ALERT

The University will observe the Memorial Day holiday on Monday, May 31. Since July 4 is on a Sunday, by policy the University will observe the Independence Day holiday on Monday, July 5. Therefore, July 4 will not be an official University holiday. There will not be classes on either May 31 or July 5.

## CARPPOOL

Louise is looking for a small carpool from Philipsburg to University Park. Her work hours are 7:30 a.m.-4:30 p.m., Monday-Friday. Call 865-3146.

SPECIAL RECOGNITION

## Associate professor receives advising award

Robert E. Lougy, associate professor of English, will receive the Excellence in Advising Award during the Academic Awards Convocation Sunday, March 28, in Eisenhower Auditorium at University Park.

Since 1990, Dr. Lougy has been director of the Honors Program in English. In this position, he advises more than 60 undergraduate juniors and seniors each semester, all of whom also are members of the University Scholars Program. For the past two years, he has been a member of the Graduate Studies Committee, advising 25 percent of the graduate students in English.

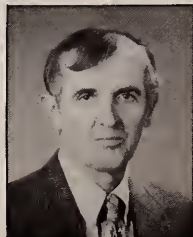
"Dr. Lougy's patience, respect for students and worthy advice make him a valuable asset to Penn State's English department," wrote a former student.

Another said, "His door is always open, even when it's obvious that he's working hard on something of his own and it's way past scheduled office hours. I have never heard him use an annoyed or condescending tone with any student, which is why students turn to him so freely."

Dr. Lougy joined the University faculty in 1966, having received his doctorate from the University of California at Davis. His fields of specialization include Victorian poetry, 19th century British fiction, narrative theory and theoretical criticism, with special interest in Freudian and Lacanian theory.

At the request of the English Department in 1970, he developed an advising program for nearly 200 undergraduates then majoring in the department's literature option. From 1970 to 1974, he was the principal adviser for this group.

Between 1978-1980 and 1981-1983, he was a member of the Graduate Studies Committee and an adviser for a number of graduate students. As the director of graduate studies in English from 1983-1987, he was the principal adviser to more than 120 graduate students.



Robert E. Lougy

## Director of Center for Women Students named Equal Opportunity Award winner

Sabrina C. Chapman, director of the Center for Women Students and affiliate assistant professor of sociology and women's studies, has been named the 1993 winner of Penn State's Equal Opportunity Award.

The honor will be presented at 2 p.m. Sunday, March 28, in Eisenhower Auditorium at the 1993 Academic Awards Convocation.

Created in 1988 by the University, the award is designed to recognize a faculty or staff member who promotes the concept of equal opportunity through affirmative action and contributes to enhancing the educational environment of the University through improving cross-cultural understanding.

For the past 13 years, Dr. Chapman has demonstrated exceptional leadership in helping to eliminate discrimination through her work as coordinator of the women's studies program from 1982 to 1985, and as director since 1985 of the Center for Women Students. She has been involved in many service activities and has positively affected the lives of many individuals, as well as the collective life of the University.

Dr. Chapman has been instrumental in the growth of women's studies at Penn State. When she was named coordinator of the program, it had a low budget, only part-time support, no office space, 10 course offerings a year, and four students in the minor. Her efforts and commitment led to a significant increase in departmental allotment, full-time secretarial support, a permanent suite of offices and meeting space, 24 course offerings a year, and 30 students with minors.

Since becoming director of the Center for Women Students, Dr. Chapman has built a highly visible, well-respected and inclusive center that has been visited by

numerous national lecturers and scholars. The center provides general advocacy for women, educational programming, sexual assault and sexual harassment counseling, information and referrals, resource information and other services. Since 1985 educational programs have totaled more than 360, and attendance more than 45,000.

By co-sponsoring programs with other University units, Dr. Chapman has forged relationships with a wide range of University and community groups. Such associations have led to programs helpful in identifying and combating interactive discrimination based on gender, race, sexual orientation, age, and ethnicity.

Dr. Chapman joined the Penn State faculty in 1979 as assistant professor of sociology. She earned her bachelor's degree from Mount Holyoke College, master's degree in education from Cornell University and Ph.D. degree from Penn State.

In addition to her numerous honors and leadership in professional organizations, she has chaired or served on numerous University committees established to study and enhance the climate for women, lesbians, gays, bisexuals and people of all racial and ethnic backgrounds at Penn State.



Sabrina C. Chapman

## Award

Continued from Page 1

infectious enthusiasm because he is truly excited by his discipline. He challenges his students, and they rise to it," wrote a colleague in a nominating letter.

Dr. Beebe's research areas are 18th-century literature, the epistolary novel, translation and literary theory. Able to speak or read seven other languages, he has published a number of journal articles and essays for books and three books.

A student wrote that he has an amazing appreciation of humor and fun, while another wrote that he has an ability to teach both language and literature through music, film, art and the sciences.

"The years have developed in me an idea of teaching in the extra-moral sense," Dr. Beebe says on his philosophy of teaching. "I tell myself that I have only one goal: that my students learn. I don't care how it happens, but only that it happens."

Dr. Ozment, a member of the Ogontz Campus faculty since 1986, was promoted to associate professor in 1992. She received the Penn State Ogontz Scholars Award in 1990/1991 and the Penn State Ogontz Outstanding Teacher Award in 1991/1992.



Thomas O. Beebe

She received her bachelor's of science degree in chemistry from the University of California at Davis and her doctorate in physical chemistry from the University of Utah in 1985. From March, 1985 to June, 1986, she was a postdoctoral research associate at the University of Washington.

A colleague said, "Dr. Ozment has as fine a combination of teaching and research skills as anyone I have known in my 40-year career. She has a reputation for being able to explain complex phenomena and is highly respected by students."

Working in collaboration with scientists at the National Cancer Institute, and Ann Schmiedeknecht, associate professor of physics, Dr. Ozment uses NCI's high speed supercomputers to conduct research on the preparation and efficiency of chemicals in anti-cancer drugs.

One of her former students wrote that students in her classes never felt pressured to learn, but instead wanted to learn and that she made sure the material was well understood before moving on.

"I feel that my job is critically influential. I like opening the door for people," says Dr. Ozment on teaching.



Judy Lynn Ozment

# Stargazer becomes hometown star

## Birthplace of Copernicus names University astronomer to its most popular list

Aleksander Wolszczan is a popular man. Just ask the residents of Torun, Poland.

Dr. Wolszczan, a specialist in radio astrophysics and professor of astronomy and astrophysics, was voted the third most popular person in Torun when one of the city's radio stations held a poll to find out who listeners thought should be included on a "most popular" list for 1992.

"Scientists in general—and astronomers in particular—usually don't land on popularity lists very often," said Dr. Wolszczan, who lived and studied in Torun for 15 years prior to immigrating to the United States in 1982.

"I'm certainly pleased that I made the list, but I think of it in terms other than my personal gratification. To me, it's more satisfying to know that astronomy is popular in Torun and to know that it is good advertising for the field."

Dr. Wolszczan says that it is not surprising that the residents of Torun, a 1,000-year-old city located in northern Poland, have followed and acknowledged the career of an astronomer.

"Torun is the birthplace of Nicholas Copernicus, the founder of modern astronomy," he said. "In addition to the numerous businesses and places that bear his name, the city is home to Nicholas Copernicus University, my alma mater. The environment is dominated by the history of Copernicus, and, in a certain sense, by the history of astronomy."

The reasons for Dr. Wolszczan's popularity in his former place of residence have been well documented. In 1992, almost a year after proclaiming his discovery of a binary pulsar that scientists say provides the best probe ever found for testing Einstein's general theory of relativity, Dr. Wolszczan revealed

an even more startling discovery: the possible existence of a planetary system outside our own.

He announced in the journal *Nature* his discovery of two, or possibly three,



Aleksander Wolszczan

planets circling a distant star—thus, becoming the first person to provide the world with the strongest evidence yet of an extrasolar planetary system.

His achievements garnered worldwide attention and acclaim, and in December of last year he became the first recipient of his native country's highest scientific honor, the Prize of the Foundation for Polish Science.

"At first, all the attention is very exciting," said Dr. Wolszczan, who has been interviewed by the media in the U.S., Poland, and elsewhere. "Then, later on, all the traveling and interviewing becomes a little tiring. Eventually you get used to it, though, and it becomes a part of everyday life—which, of course, is quite pleasant."

He says that the next wave of interest in his discovery will probably occur when he is able to obtain what scientists call "100 percent proof" of the existence of an extrasolar planetary system.

"There are still quite a number of questions to be answered and problems to be resolved," he added, "but we are getting closer."

Dr. Wolszczan received a master's degree in astronomy in 1969 and a doctorate in physics in 1975, both from Nicholas Copernicus University. He held faculty positions at Nicholas Copernicus until 1979, when he joined the Polish Academy of Sciences as associate professor at the Copernicus Astronomical Center in Poland.

In 1983, he joined the research staff of the Arecibo Observatory in Puerto Rico. He was a visiting professor at Princeton University before joining the University faculty in the fall of 1992.

—Janice M. Ferguson

### PENN STATERERS

Johanna Ezell, librarian at the Penn State Mont Alto Campus and Peggy Russo, assistant professor of English at the campus, delivered papers at the International Federation of Theatre Research's conference on cultural politics and the theatre in Dublin, Ireland. Ms. Ezell's presentation centered on W.B. Yeats and Maude Gonne and as play she wrote for her, "Cathleen ni Houlihan." Dr. Russo focused on Dion Boucicault, a native of Ireland who wrote melodramas.

Irwin Feller, director of the Graduate School of Public Policy and Administration and professor of economics, has been appointed by the University of Maryland System Board of Regents to the University of Maryland System Blue Ribbon Committee on Research and Public Service.

Douglas B. Furtek, assistant professor of food science and biotechnology, co-organized and co-taught a workshop on

plant molecular biology at the University of Ghana.

The photographs of Gerald Lang, associate professor of art, will be included in "Beyond Description: Images of Nature," an exhibition held from March 3 through March 27 at the G.W. Einstein Company Inc., New York City.

John McKee, coordinator of research funds in the College of Engineering, is in the charter group to be named a Certified Research Administrator by the Research Administrators Certification Council. The charter group was chosen in recognition of outstanding contributions to the profession.

Karen Miller, assistant professor of food science, has been named chair-elect of the General Microbiology Division of the American Society for Microbiology.

Kamal A. Rashid, director of instructional and international programs at the Biotechnology Institute, organized and

led a workshop on animal cell culture techniques at the University of Cairo in Egypt.

Lowell D. Satterlee, retired professor and head of food science in the College of Agricultural Sciences, was one of 10 educators honored in the U.S. Department of Agriculture's 1992 National Awards Program for Excellence in College and University Teaching. He was named an Outstanding Teacher in Food and Agricultural Sciences for the northeast region. Fifty-five educators nationwide were nominated for awards.

James Ross Sweeney, professor of medieval history, featured speaker at a colloquium at the University of Toronto, Canada, delivered a lecture titled, "Spurred on by the Fear of Death: Refugees and Displaced Populations during the Mongol Invasion of Hungary."

### PARTINGS

William M. Donovan, instructor at Worthington Scranton Campus; from Sept. 1, 1981, to Jan. 1.

Dorothy L. Mullen, staff assistant IV at McKeesport Campus; from Oct. 13, 1975, to Jan. 30.

Harry G. Grabb, maintenance mechanic A at Shenango Valley Campus; from Sept. 29, 1978, to Feb. 6.

Josephine Smith, staff assistant VI in Liberal Arts; from Oct. 1, 1976, to Feb. 16.

Edwin C. Grannis, foreman in trades in the Office of Physical Plant, has retired after 30 years of service.

He began his career as a painter in 1962, and progressed from a lead man to a foreman.

Mr. Grannis and his wife, Lois, live in Ramey.

## NEWS IN BRIEF

## Luncheon seminar

Vernon V. Aspaturian, Evan Pugh professor emeritus of political science, will discuss "The Former USSR: In Search Of Identity" at the Center for Russian and East European Studies Luncheon Seminar at 12:30 p.m. Wednesday, March 31, in 120 Sparks at University Park.

Lunch will be brown bag. The public is invited.

## Information Fair

The Penn State Bookstore on Campus and Business Services invite interested faculty and staff members to an Information Fair in the Colonial Room of the Nittany Lion Inn from 2 to 4 p.m. today.

Representatives from Printing Services, Mailing and Addressing Services, Copy Center Services, the Penn State Bookstore Textbook and General Book Departments will be on hand to discuss their services and introduce new systems now available to the faculty and staff.

In addition to the bookstore and Business Services, vendors from manufacturing firms producing office supplies, art and engineering materials and academic regalia, as well as textbook publishers will be present to offer information and, in some cases, free product samples.

## Open house

For people wondering about their futures, Pennsylvania College of Technology's "Open House 1993" can offer a wide variety of solutions.

The College will celebrate Open House 1993 from noon to 4 p.m. Sunday, March 28. The theme for this year's event is "Solutions." Activities and displays will be offered at all four College sites—the main campus in Williamsport, the new Kathryn Wentzel Lumley Aviation Center at the Williamsport-Lycoming County Airport in Montoursville, the Earth Science Center near Allentown, and the North Campus at Wellsboro.

Last year's Open House attracted an estimated 15,000 visitors. In addition to exhibits and hands-on activities, the day features games, giveaways, special prizes and food for visitors of all ages.

For more information on Open House '93, call 1-800-367-9222.

## Meetings on library complex

Due to recent inclement weather, the March 15 and 16 meetings dealing with the proposed arts and humanities and business libraries have been rescheduled for the following dates and times at University Park: Arts and humanities library, 4-5 p.m. Thursday, April 1 in Frizzell Room, Eisenhower Chapel; Business library, 4-5 p.m. Tuesday, April 5, in C5 Pattee Library.

The purpose of the meetings is to solicit input from the academic community regarding the "libraries within the library" planned for the new Pattee complex. If you are unable to attend one of these scheduled sessions, you are welcome to send comments to Ronald Dow, assistant dean and chair of the University's program committee for this building project, at E505 Pattee Library, or e-mail at RFD@PSULIAS, or to Salvatore Meringolo, assistant dean, Collections and Reference Services, at E505 Pattee or SMM@PSULIAS.

## APPOINTMENTS

Kathleen R. Kimball has been appointed the University's first computing, network and information security officer.

Ms. Kimball, who will begin working in this position in the Office of Computer and Information Systems on April 2, will be responsible for the development, implementation, and promulgation of security policies that affect the University's existing and planned publicly accessible communications networks.

"Kathleen, will be making recommendations for enhancements of security support systems and providing training programs for the University community relating to network and information security," J. Cary Augustson, executive director of Computer and Information Systems said.

"With her arrival, we will be able to make significant strides in developing a security awareness program for the University to help the academic and administrative departments understand the importance of protecting the information that enables them to perform their responsibilities here at Penn State."

Ms. Kimball was an employee of MITRE Corporation for several years and as such she acted as the security officer for North American Air Defense Command. She has authored several security policies and developed the site accreditation methodology for the Defense Intelligence Agency.

While serving in this capacity, her installation served as the prototype site for the first security accreditation process for evaluating security in terms of the entire information infrastructure. She is a graduate of Pomona College and received her masters in telecommunications management from Golden State University.

Kevin Lee has been appointed staff development and training coordinator for the University Libraries.

In this new position, Mr. Lee will develop, coordinate, and implement staff training programs and conduct diversity education workshops for over 400 faculty and staff of the Libraries. In addition, he is in training to serve as a facilitator for the University



Kevin Lee

sponsored diversity education programs and continuous quality improvement teams.

Active in University service, Mr. Lee currently serves as an appointed member of the Committee for the Improvement and Retention of Minority Students at Penn State and activities program chair for Minority Achievers Weekend.

He is a 1990 graduate of Penn State with a bachelor of science degree in administration of justice. Prior to his position in the Libraries, he was an admissions assistant for the Office of Minority Admissions and Community Affairs.

Dr. Timothy Weyandt has been appointed director of the new Department of Occupational Medicine at University Park.

Under Dr. Weyandt's direction, the Occupational Medicine program will be responsible for University policies and procedures related to occupational and industrial medicine. The program will be responsible for providing medical care to members of the University community for work-related illnesses and injuries in addition to conducting medical monitoring for certain employee groups.

Dr. Weyandt will serve as a resource person to academic and administrative personnel on health and safety issues, and serve as a resource person on occupational medicine to other health care providers.

Dr. Weyandt received his B.S. and M.S. from Penn State and his MD from the University of Texas Medical School at San Antonio. He completed residencies in both pediatrics (Tripler Army Medical Center) and occupational medicine (U.S. Army Environmental Hygiene Agency) and holds medical licenses in Maryland and Pennsylvania.

He received a masters in public health and completed a fellowship in occupational medicine at the Johns Hopkins University School of Hygiene and Public Health. He is board certified in both pediatrics and occupational medicine.

Dr. Weyandt has extensive experience in branches of the U.S. Army, and most recently as medical advisor for Clinical, Occupational, and Environmental Health, U.S. Army Biomedical Research and Development Laboratory. His research has addressed biological and male reproductive functions responses to lead exposure, carbon monoxide, and decontamination standards for disposal certification for selected chemical agents.



Dr. Timothy Weyandt

## OBITUARIES

G. Mike Charleston, former associate professor of education and director of the Native American Education Policy Center, died March 4 at the age of 46.

A member of the Choctaw Nation of Oklahoma, Dr. Charleston directed the American Indian Leadership Program at the University and authored a national study of Canadian Indian education for the Assembly of First Nations of Canada. He was the author of many publications on the subject of Native American education.

In 1990, he took a leave of absence from the University to serve as project director of Indian Nations At Risk Task Force, a federal task force to study educational conditions of Native American Indians. At the time of his death, he was professor of

educational administration at the University of Colorado at Denver.

Jess W. Askey, roofer-carpenter, office of Physical Plant, from Nov. 15, 1965, until his retirement July 1, 1976; died Feb. 15. He was 82.

Ruth D. Houck, baker-utility, Housing and Food Services; from Aug. 30, 1974, until her retirement Dec. 1, 1985; died March 4 at the age of 70.

Cornelius Koppenheffer, agricultural agent in Cameron County; from Aug. 5, 1929, until his retirement July 1, 1962; died Feb. 1 at the age of 91.

## Highlight on Undergraduate Education

### Students green up the Nittany Lion Inn

Thanks to an independent study project in the College of Agricultural Sciences, five public areas in the Nittany Lion Inn have a new look.

Travelers palms, bromeliads and peace lilies now grace the front lobby, while dracaena, Chinese evergreens, fish-tail palms and a giant bird of paradise plant line the atrium. Greenery and flowers also decorate the second-and-third-floor reading rooms and the restaurant entrance.

Horticulture graduate student Keppy Arnoldsen and Le Ngo, a senior majoring in architecture, proposed and designed the interiorscape as part of their research for HORT 496.

The two students organized every step of the project, from preparing the proposal to overseeing the first 60 days of maintenance. They also developed a plan and requested bids from local greenhouse and landscaping businesses for future upkeep.

"The work of these students illustrates the best of experiential learning, increasingly typical of our teaching program," Stephen Wallner, Horticulture Department head, said. "This project and ones like it are really hands-on case studies that educate and motivate our students."

The interiorscape project is part of a cooperative effort between the Nittany Lion Inn and the college that began last spring when students landscaped the courtyard.

"It's been an outstanding experience for us," James Purdum, general manager of the inn, said. "The students have understood our needs and have shown impressive attention to detail."

"We're happy that our institution can help further their education, and we hope that the college's efforts will increase general awareness of the inn as a practical and useful instrument in the educational process. We're always looking for new ways to support our educational mission."

"The students did a very professional job that reflects well on our college," said Dan Stearns, assistant professor of landscape contracting, who served as adviser for the project. "They completed everything on time and within the budget, and the client is happy. That's what counts."



Horticulture graduate student Keppy Arnoldsen (right) shows Le Ngo, a senior majoring in architecture, how to trim ivy plantings in the Nittany Lion Inn's Atrium. The plantings are part of the students' interiorscape project.

Photo: Courtesy of Agricultural Information Services

## Graduate Research Exhibition



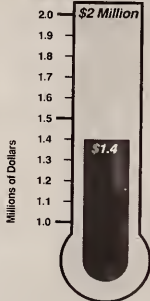
**Fascinating displays**, like this one by Geb Thomas (left), a doctoral candidate in industrial engineering and management systems, captivated passersby like Paul S. Briggs, (center) a graduate student in art education, and Julie Richards, an undergraduate majoring in engineering science. Mr. Thomas was demonstrating virtual point and direct robotics last week during the Graduate Research Exhibition in the HUB at University Park.

Photo: Greg Grieco

## CAMPAIGN UPDATE

1993  
**MILLION  
DOLLAR**  
FACULTY • STAFF  
Challenge

Since July 1992, faculty and staff have committed \$1.4 million in gifts to various programs University-wide. If Penn State faculty and staff commit at least \$2 million to any program by June 30, alumni Bill and Joan Schreyer will give \$1 million to The Campaign for the Library.



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March 25, 1993  
Vol. 22, No. 25

## PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

April 1, 1993

Volume 22, Number 26

## Operating budget available for public inspection

It runs 561 pages, weighs 3.3 pounds, and provides a wealth of easily-understandable information to anybody who wants to know anything about Penn State's finances.

It is the University's revised budget, and it is now widely available for public inspection in:

— 22 library locations at all Penn State campuses.

— 13 academic deans' offices at University Park, Penn State Erie, Penn State Harrisburg, and The Hershey Medical Center.

— the office of the University Faculty Senate.

— the information desks of the Hetzel Union Building and the Kern Graduate Commons.

— the offices of the Undergraduate Student Government, the Council of Commonwealth Student Governments, and the Graduate Student Association.

"The placement of the budget at these many locations affirms our commitment to the Board of Trustees, to our students, faculty and staff, and to the general public to provide a higher level of financial accountability than had been available previously," President Thomas said.

Dr. Thomas noted that University Budget Officer P. Richard Althouse and other University administrators had been working for several months to develop a new format for the budget that would make the materials more understandable for all users.

"Our work with student leaders, also, on this matter has been very important," Dr. Thomas said. "We learned that they were keenly interested in these improvements and clarifications. Chris Saunders, the director of the USC (Undergraduate Student Government) Department of State Affairs, played the central role for the students in the discussions that resulted in providing this additional information."

The new budget — twice as large as its predecessor — includes expanded budget

and budget-related information, to provide historical perspective and context. Among the new features:

— Budgeted expenses for every academic college, campus, and administrative unit are provided not only for the current year, but also for the previous year, so users can easily analyze changes from one year to the next.

— Mean and median salaries for instructional faculty and total faculty by rank for all University Park colleges and schools, the Commonwealth Campuses, Great Valley, Penn State Erie, and Penn State Harrisburg.

— The staff salary schedule for all grades, as well as the salary schedule for regular technical service employees.

— A five-year history of the general funds budget and a six-year history of the number of full-time-equivalent employees is provided for every academic and administrative unit.

— In addition, six-year trend data is provided for the academic units in four areas: enrollments; student credit hours produced; degrees awarded, and research expenditures.

— Budgeted expenses for each University department are shown in terms of salaries, wages, departmental allotments (operating funds), and employee benefits. For academic areas, salary information is divided into faculty and staff salaries, rather than being grouped together as was done previously.

"The budget has been totally reformat- ted and re-organized," Dr. Thomas said. "It requires much less cross-referencing than before, and the wealth of financial detail and other contextual information give a full and complete picture of how Penn State invests its dollars.

"We believe the budget provides not only the 'letter' of public accountability, but the spirit as well. We invite everyone to examine this extensive and user-friendly document."



Old Main was the site of the 1993 Oswald Lecture given March 24 by Douglas Covington, (above) president of Chateau University of Pennsylvania. Dr. Covington spoke before a crowd of more than 175 people in the rotunda.

Photo: Greg Grieco

## Penn State ranks high in 1992-93 Fulbrights awarded

Penn State has tied for third place among Big 10 Universities and 16th nationally in the number of graduate and undergraduate students who received Fulbright awards to study abroad in the 1992-93 academic year.

The list was announced by the J. William Fulbright Foreign Scholarship Board and the United States Information Agency and published recently in *The Chronicle of Higher Education*.

"We're delighted that nine Penn State students have been recognized through such a highly competitive selection process," said David A. Shirley, senior vice president for research and dean of The Graduate School. "The Fulbright awards to study abroad add an invaluable dimension to academic programs, which would not be available otherwise."

See "Fulbrights" on Page 3

## 1992 Health Claims Deadline Approaches

The University's arrangement with Prudential to process health claims (except dental and vision claims) expires on June 30. To ensure timely processing of outstanding 1992 health claims, you should submit them as quickly as possible. **PRUDENTIAL WILL ACCEPT ONLY DENTAL AND VISION CLAIMS AFTER JUNE 30.**

To avoid payment delays, fully complete the employee information section of the Prudential claim form and attach itemized receipts for all eligible 1992 charges. Canceled checks and cash register receipts are not acceptable evidence of charges incurred.

Prudential claim forms can be obtained from the Employee Benefits Department, director of Business Services or human resource offices.

## Non-discrimination policy reminder

We want to take this opportunity to remind you that in May 1991, Penn State University expanded its non-discrimination policy to include sexual orientation. The current statement of non-discrimination reads as follows:

...“The Pennsylvania State University is committed to the policy that all persons shall have equal access to programs, facilities, admission and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by University policy or by state or federal authorities. The Pennsylvania State University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation or veteran status.”

As members of a diverse University community, it is our responsibility to take steps to educate ourselves about others in the community. The University has established ways to help us become better informed about lesbian, gay and bisexual issues. For example:

—The Committee for Lesbian, Gay and Bisexual Equity is currently examining issues concerning policy, climate and curriculum at Penn State;

—A report titled “Enhancing Diversity: Toward a Better Campus Climate,” which reviews and offers recommendations in key areas of concern for lesbians, gays and bisexuals at Penn State, is available in James Stewart’s office. A brochure of general information titled, “Straight Talk About

Homosexuality,” which references additional reading material is also available;

—Workshops conducted by the Affirmative Action Office focusing on heterosexism and homophobia are available to all Penn State units;

—The Equal Opportunity Planning Committee and several campus units co-sponsor free lecture series every semester that bring three guest speakers to campus. Brochures regarding the lecture series, “Contemporary Scholarship on Lesbian and Gay Lives,” are available from the EOPC Office;

—Independent student, staff and faculty groups such as the Lesbian, Gay and Bisexual Student Alliance, the Coalition of Lesbian, Gay and Bisexual Graduate Students, and Lesbian, Gay, Bisexual Faculty/Staff and Allies are available to assist lesbian, gay and bisexual people.

As President Thomas has consistently stated, Penn State will not tolerate discrimination. Such behavior toward any group is inappropriate, obviously puts people at risk, and makes it difficult to work and to learn. We ask that you join in creating an equitable, respectable and supportive environment for everyone at Penn State. If you experience or witness incidents of violence, harassment or intolerance toward individuals, please contact the Affirmative Action Office, 201 Willard Building, 614-863-0471.

**John A. Brighton**  
executive vice president and provost

**James B. Stewart**  
vice provost for educational equity

## Hispanic engineering event



**Team building exercises** are performed by students during the 1993 Region IV Student Leadership Conference of the Society of Hispanic Professional Engineers held at University Park. Nearly 200 Hispanic college students from eight northeastern states and Puerto Rico and 35 high school students attended the event. The conference goal was to help minority students in engineering and science develop into quality leaders.

Photo: Greg Grieco

## Assassination of King marked by WPSX-TV

Sunday, April 4, 1993 marks the 25th anniversary of the assassination of Dr. Martin Luther King, Jr. in Memphis. “At The River I Stand,” airing at 10 p.m. Friday, April 2, on WPSX-TV, channel 3, is a retrospective look at the sanitation

strike that brought Dr. King to Memphis in 1968. The program tells the stories of the men and women involved in the strike, which was a pivotal point in the civil rights movement. Actor Paul Winfield narrates.

### NEWS IN BRIEF

#### University Safety moves

The Department of University Safety at University Park, which includes Environmental Health, Police Services and Parking, has moved from the Grange Building to Eisenhower Parking Garage. Please make a note of the change.

#### Public Lecture

The Department of Spanish, Italian and Portuguese and the Fourth Annual Conference for Graduate Students in Hispanic Literatures and Languages will sponsor a public lecture by Spanish novelist Antonio Munoz Molina.

He will speak in Spanish on the novel during the period of Spain’s transition to democracy at 4 p.m. Friday, April 2, in the Keller Conference Center on the University Park Campus. Mr. Munoz Molina, who began his career as a journalist, is the author of several novels, which attracted wide attention and have won prestigious awards.

#### Old Main open house

The Penn State Alumni Association is sponsoring an open house at Old Main on the

University Park Campus from 10 a.m. to 5 p.m. Wednesday, April 14.

The University’s Lion Ambassadors will provide tours of Old Main offices, show visitors the historic land grant frescoes, and present a slide show depicting Penn State’s historic scenes. The tour also includes a view of the campus from the Old Main Bell Tower.

For more information on the open house, call 863-3752.

#### Blood drives

The American Red Cross will be conducting these blood drives in the next few weeks:

Monday, April 5, Pollock Union Building, 1-7 p.m.; Tuesday, April 6, Waring Union Building, 1-7 p.m.; Wednesday, April 7, Wamock Union Building, 1-7 p.m.; Thursday, April 8, Findlay Union Building, 1-7 p.m.; Wednesday, April 14, HUB Ballroom, 10 a.m.-4 p.m.; Thursday, April 15, HUB Ballroom, 10 a.m.-4 p.m.

To confirm donor eligibility, please call American Red Cross Blood Services at 1-800-54-BLOOD, and ask for the Nursing Department. For more information about the campus blood

schedule, please call campus coordinator Connie Schroeder at 237-2713.

#### EOP dinner

Penn State Educational Office Professionals will celebrate its 25th anniversary at a dinner at 5:30 p.m. Wednesday, May 19, in the Nittany Lion Inn on the University Park Campus.

The event will feature presentation of the tenth annual Outstanding Office Professional Award. PSLOP established the award to give recognition to University staff who have provided exceptional meritorious service on behalf of Penn State.

Past presidents and previous award winners will be honored. Special guests will include Shirley Hendrick, assistant dean for continuing education, The Smeal College of Business Administration, and Dennis Kester, retired director of human resource development.

For additional information, contact Anne Smilowitz, 409 Business Administration Building, (814) 863-2479, or Jeny King, 222 Boucke Building, (814) 863-7681.

### PARTINGS

**Phyllis J. Martin**, janitorial worker, has retired after 23 years of service.

Mrs. Martin worked in the bakery, the butcher shop, Warnock Post Office and Redifer Dining Commons prior to Janitorial Services.

Her plans for retirement include working around her home and visiting sons in Jacksonville, Fla., and Denton, Md. She also has a daughter who lives in Zion.

Mrs. Martin resides in Port Matilda.

**Glenn H. Metz**, group leader in Addressing and Mailing Services, has retired after 29 years of service.

After eight months in Landscaping, he began working in Addressing and Mailing Services in August, 1963.

Mr. Metz’s son, Jeffrey, is employed as a machinery operator at Rock Springs Experimental Section and his daughter is a Penn State elementary education major.

Mr. Metz and his wife, Marianne, who is a secretary in The Smeal College of Business Administration, live in Petersburg.

**Louis R. Sellers**, stockroom clerk, has retired after 20 years of service.

After an eight-month career in Janitorial Services, he became a stockroom clerk in 1972.

Mr. Sellers has a son who works as a group leader in General Stores and a daughter employed by Janitorial Services. Another daughter attended Penn State and currently is a medical secretary.

Mr. Sellers and his wife live in Tyrone.



## National specialists here April 2 and 3 for Academic Assistance Program conference

Penn State's Academic Assistance Program is hosting a conference on "The Educational Pipeline: Opportunities for Maximizing Student Potential" on April 2 and 3 in Kern Graduate Center and Tofrees Resort.

"National specialists on all phases of academic assistance programming will focus their remarks on how we can support students in their academic work," Ann McLaren, conference coordinator and a coordinator for the Learning Assistance Center in Boucke Building, said.

"This conference is of particular significance because it will bring together students, faculty and staff from programs specially designed to help minority, low-income, and first-generation high school and college students graduate from college," according to Howard E. Wray III, assistant dean for undergraduate education.

Faculty and staff throughout the University are invited to attend sessions.

Charles Fuget, deputy secretary and commissioner for postsecondary and higher education in the Pennsylvania Department of Education, will give the luncheon address on "The Future of Higher Education." He is the Commonwealth's chief policy adviser for postsecondary education and, among other areas, is responsible for equal education opportunity, planning and research in higher education and postsecondary services. He served as interim president of Indiana University of Pennsylvania for the 1991-92 academic year.

Jack Daniels, vice president of academic affairs at the University of Pittsburgh, will give a dinner presentation on "The Intellectual Disenfranchisement of Minority Students." His primary areas of research are

African/Black American communities, African/Black Americans in mass media, African/Black American rhetoric and intercultural/interracial communication. He has also served as chair of the Black studies department and associate provost for undergraduate programs for the university.

Carl McNair, representing the Ronald E. McNair Jr. Foundation of Atlanta, will discuss how the foundation encourages low-income, first-generation and minority students to pursue studies in math, science and engineering at both the undergraduate and graduate levels. His talk will open the sessions at 8 a.m. on Saturday, April 3. He and Penn State's McNair Scholars staff will also discuss the scholars program with students during the afternoon.

Arnold Mitchem, executive director of the National Council of Educational Opportunity Associations, will speak on "Equal

Opportunity and Access in Higher Education" at noon. He is also president of the Committee for Education Funding, a coalition to improve federal financial support for education.

Janet Rodefer, director of school services for the Berks County Intermediate Unit, and Vito Fontanizza, director of curriculum and instruction at the Northeastern Educational Intermediate Unit, will give a presentation on peer coaching and outcome-based education and its effect on college student academic needs.

About 200 Penn State students, faculty and staff who work with basic skills, learning centers and other academic assistance programs have registered to attend from campuses across the state.

For more information and a conference brochure, contact Ms. McLaren at 863-2296.

## Fulbrights

Continued from Page 1

Mary Gage, coordinator of the University's Fulbright program since last year, has been encouraging qualified students to apply. "In 1991-92 we had one student Fulbright winner; this year we have nine. I am so pleased that outstanding students are competing, and that Penn State's success rate is now so high."

Penn State's graduate Fulbright awardees, their major, and the university in which they are studying

- ◆ Peter Chilson, English, Nider
- ◆ George Mathews, philosophy, Yugoslavia
- ◆ Karen O'Brien, geography (now studying under a NASA grant)
- ◆ Anne Stone, anthropology, Germany
- ◆ Barry Shea Jr., teaching English as a second language, Germany.
- ◆ Penn State undergraduates who received the 1992-93 award as graduating seniors are:
- ◆ David Palmer, engineering, Germany
- ◆ Christopher Scala, teaching

English as a second language, France

- ◆ Gretchen W. Shaffer, economics, Germany
- ◆ Thomas Wilson, history, Canada.

### Fulbright awards at Big Ten universities

Michigan	14
Wisconsin — Madison	13
Penn State	9
Indiana	9
Northwestern	6
Ohio State	4
Minnesota	4
Illinois — Urbana	3
Iowa	3
Purdue	2
Michigan State	1

### Fulbright Awards among all universities

U. of Cal. — Berkeley	28	Wisconsin — Madison	13
U. of Cal. — Los Angeles	20	Columbia U.	10
Harvard	19	New York U.	10
Yale	18	Penn State	9
Duke	14	Indiana	9
Michigan	14	George Washington U.	8
Princeton	13	American U.	7
Stanford	13	U. of Florida	7
U. of Chicago	13	U. of Washington	7
U. of Texas — Austin	13		

## Seven Fulbright Scholars experience Penn State

Seven Fulbright Scholars and lecturers from Europe, Asia, Russia and Africa are or have been on campus this year to teach, consult and conduct research with colleagues at Penn State under the sponsorship of the J. William Fulbright Foreign Scholarship Board and the United States Information Agency.

"We are very pleased that Penn State not only demonstrates strong leadership in international education through the Fulbright program by having our faculty and staff win awards to lecture and conduct research abroad, but also that we attract scholars of such high calibre," said W. LaMarr Kopp, deputy vice president for international programs at the University.

Fulbright grants to the United States are awarded on the basis of international competition and a peer review conducted by the Council for International Exchange of Scholars. The program represents a significant part of the federal government's commitment to international educational exchange. On returning to their home institutions, Fulbright scholars will share their experiences at Penn State through seminars, meetings and publications.

Hugh Clive Brookes, associate professor in the Department of Chemistry at the University of Natal in Durban, South Africa, is conducting research on the effect of alloying on pitting corrosion damage function. He is working with Digby MacDonald in the Department of Materials Science and Engineering.

Hajime Hirai is an associate professor in the Department of Health and Physical Education in the School of Education at the University of Shiga in Japan. He is conducting research on the relationship between sports and their social, cultural environments and is working with Frank Clemente in the Department of Sociology.

Helge Hoivik is an assistant professor at the Norwegian School of Library and Information Sciences in Oslo, Norway. He is conducting research on set theory and semantic classification as applied to dynamic documents and is working with Kyle Peck in the Institute for the Reinvention of Education in the Instructional Systems Program.

Russian Ambassador Viktor Israeli, who has also been a physician and a professor, was a member of most Soviet delegations to the U.S. General Assembly from 1964-1987 and was head of the Soviet delegation to the Geneva conferences on disarmament from 1979 to 1986. He is the author of *The United Nations and Disarmament*, *The Diplomacy of World War II and Diplomatics Face to Face*, and is currently writing a book funded by the U.S. Institute of Peace.

Liliana Maria Micu is a writer and radio producer for the Department of Culture, Romanian National Radio, in Bucharest, Romania. She is lecturing on Romanian language, culture and literature and is working with Michael M. Naydan in the Department of Slavic Languages.

Jose Rodriguez Mirasol, a researcher in the Department of Chemical Engineering at the University of Malaga, Spain, was on campus this fall conducting research on porosity and structural effects in the gasification of carbon/carbon composites. He was working with Ljubisa R. Radovic in the Department of Materials Science and Engineering.

Hans Stubbe-Solgaard, a professor in the Department of Marketing in the Copenhagen Business School in Frederiksberg, Denmark, was conducting research on consumer buying behavior based on consumer panel data this fall. He was working with J.C. Olson in the Department of Marketing.

# Faculty Senate chair outlines "future process"



James F. Smith

**T**he University Future Committee was appointed by President Thomas in March, 1992.

It has been asked to recommend a strategy to guide Penn State toward increased quality during the next several years, despite the prospect that Penn State is likely to have fewer real dollars to work with. James F. Smith, professor of English and American studies from Penn State Ogontz, is a member of the Future Committee and is also chairing the Faculty Senate this year.

Areas of suggested changes emerging from the Future Committee process that involve the academic mission of the University are now being reviewed by the Senate and other proposals will be brought before the Senate in the coming months.

To get a better understanding of the Faculty Senate's involvement in the Future process at Penn State, the editors of Intercom asked Dr. Smith if he would outline the Senate's involvement.

**INTERCOM:** A number of the recommendations that the colleges brought to the University Future Committee obviously involve the academic nature of the institution. What role does the Faculty Senate have in the strategic plans that have been brought before the University Future Committee?

**SMITH:** The Senate is constituted as a University level legislative body representing the University Faculty as a whole. Its greatest authority resides in the academic side of the University. The Senate has jurisdiction over instructional programs, academic admissions standards, graduation requirements, and general education. When individual unit strategic plans or discussions within the Future Committee touch on these areas, the Senate becomes involved through its legislative authority. In addition, the Senate has advisory and consultative duties with respect to other areas of University life, including the establishment, reorganization, or discontinuation of organizational units and areas of instruction or research. So if strategic plans recommend such changes, the Senate—through Senate Council—is responsible for providing its advice to the president and provost.

**INTERCOM:** How does the role of the Senate relate to that of the University Future Committee?

**SMITH:** The role of the Senate is not changing at all, as it relates to the University Future Committee. What is changing is that units may propose actions as a result of a "future process" instead of (or in addition to) normal planning discussions. The number of proposals is higher than usual, but the Senate continues to function as it always has. In fact, the Senate officers met with the Council of Academic Deans, at their request, to explain the process of Senate review before any strategic plans were presented to the Future Committee.

**INTERCOM:** Will the Faculty Senate be done with its review and recommendations by the time the Future Committee makes its initial report to President Thomas later this Spring?

**SMITH:** Some will and some will not. For example, several of the proposals which have surfaced as part of the "future process" have been passed along to the Senate. Some proposals of a very specific nature are being discussed by our committees, and will be considered by Senate Council prior to the end of the Senate year in April. In fact, one recommendation from the College of Agricultural Sciences—to drop the major in entomology—has been endorsed by Council. However, not all of the proposals will move so quickly. Moreover, larger and more complex issues, such as a "credit cap" or changes in general education requirements, will require additional analysis, debate in committees, and full discussion on the floor of the Senate—a process not likely to be finished during this academic year.

**INTERCOM:** Could you provide an example of how the Senate reviews some of these recommendations?

**SMITH:** Let's consider dropping the B.A. in linguistics as proposed by the College of the Liberal Arts. When this proposal and accompanying documentation were sent to the Senate office, we distributed the material to appropriate standing committees for discussion, comment and advice to Senate Council. Each committee reviewing the proposal—in this case, Undergraduate Instruction, Curricular Affairs, Faculty Affairs, and Commonwealth Campuses/Continuing Education—will report their discussion and make a recommendation to Council. Council will then consider the proposal as an action item, and will make a recommendation to the administration. The recommendation may be to proceed with the drop, as was the case with entomology. On the other hand, Council may recommend against the proposal, or withhold a recommendation until critical issues are resolved. Normally Council will have 60 to 90 days to complete its review. Proposals for mergers, such as moving Religious Studies into History, follow a similar path.

The Senate will expect to see specific kinds of issues addressed in the documentation that accompanies proposals to merge, create, or discontinue units or programs. Among them are a specific rationale (noting objectives addressed or problems solved), any curricular or enrollment implications, and effects on faculty, including promotion and tenure issues. Further, the proposal must present a discussion of the proposed change in light of other university programs and functions, including general education, and anticipated impact on all university locations. Finally, there must be evidence of faculty consultations, including those with program heads, along with a synopsis of faculty views expressed during the consultative process. If committees or Senate Council find this information lacking, a recommendation is usually not made until complete documentation is provided.

**INTERCOM:** You indicated that some of the changes proposed involve complex issues. How does the Senate plan to deal with those?

**SMITH:** As carefully and as orderly as we can. For instance, should we consider changes in the general education requirement? I'm not sure that Penn State is ready for an overhaul of gen-ed at this time. That's a process that would take more than one Senate year to complete. But what about a proposal to eliminate or reduce the physical education activities requirement for graduation? Even an issue as focused as this will consume a great deal of time to explore its implications fully. Moreover, opinions can be divided—academic and philosophical concerns will be debated. I have asked Undergraduate Instruction and Curricular Affairs to consider this proposal. If a proposal to change the

requirement is brought to the full Senate, it will be the result of a comprehensive process of consultation, analysis, and discussion. Committees will continue to work on these issues through the remainder of this year, over the summer, and well into the next Senate cycle.

**INTERCOM:** From your vantage point of a faculty member on the University Future Committee who has spent hundreds of hours examining the University budget, how do you view the changes that have been proposed?

*"Change may be seen as a threat and an opportunity. I believe ours is a time of opportunity."*

**SMITH:** Change may be seen as a threat and an opportunity. I believe that ours is a time of opportunity. Penn State did not have its back to the wall, so to speak. Other institutions that members of UFC examined in the process of our background reading did not encounter a "future process" until external forces made the process unavoidable. We at Penn State were not confronted with massive budget cuts from the state nor were we faced with the elimination of specific classes of positions—as were Ohio State and the University of Iowa, for example. It seems to me that we have been able to refocus our energy and resources in a more rational, deliberate, and pro-active manner than if we were reacting to a budget emergency. This is not to say that all people are pleased with change. Of course there are disruptions and disappointments. But if we were to ignore the opportunity to change now, we would be faced with even more drastic scenarios (as many of our peer institutions face) in the future.

**INTERCOM:** Do you believe the changes being considered at Penn State will help create a stronger, higher quality institution?

**SMITH:** As Senate Chair and as a member of UFC, I believe that when the process is complete we will have a better Penn State. Penn State is undergoing a change in planning philosophy that has been discussed many times: we are planning for focus instead of incremental growth, and we are more concerned with the quality of our programs and services than with the number of them. I believe that we will be much better off in the long run because of this change.

# Public invited to view Science EXPO '93 on April 3

The Eberly College of Science will introduce visitors to the world of science and research during Science EXPO '93, Saturday, April 3, from 10 a.m. to 5 p.m. at the University Park Campus. The event is free to the public.

Sponsored by the Eberly College of Science Student Council and Alumni Society, EXPO is designed to entertain as well as to educate. The biennial event, first held in 1977, attracts visitors from across the Commonwealth. Exhibits, tours, and live demonstrations allow people of all ages to see, touch, and experience the fascinating world of science and research.

A special attraction at EXPO '93 is NASA/Goddard Space Flight Center's Aerospace Educational Services Program, which gives visitors an inside glimpse into the past, present, and future of the nation's space program.

During presentations at 11 a.m., 1 p.m., and 3 p.m. in 102 Forum Building,



Science EXPO is an opportunity to learn.

Photo: University PhotoGraphics

L. Dennis Christopher, aerospace education specialist at Goddard, will discuss the many facets of the space program and show audiences a model of the space shuttle, a heat tile from the shuttle's exterior, shuttle space suits, a sleeping bag used by astronauts during flights, and samples of the types of food astronauts eat while in space. He also will discuss weightlessness, future spacecrafts, and the Hubble Telescope.

This year's EXPO also includes returning favorites such as the Nitany Chemical Society Chemistry Magic Show and the Physics Laser Show, a music and light extravaganza. There will be hands-on science experiments, star gazing through telescopes, live skits and presentations, guided laboratory tours, and tours of the University Creamery.

For more information about EXPO '93, write to: Science EXPO '93, 430 Classroom Building, University Park, PA 16802; or phone (814) 863-4693.

## Dean announces plans to return to teaching full time

C. Gregory Knight, vice president and dean for undergraduate education, has announced that he will return full time to the College of Earth and Mineral Sciences as professor of geography, effective July 18.

"Greg Knight has provided important leadership in the area of undergraduate education at a time when the University needed to focus more sharply on its programs in that area," President Thomas said.

"As a former secretary and chair of the University Faculty Senate, Dr. Knight brought an invaluable perspective to the administration," John Brighton, executive vice president and provost, concluded.

Dr. Knight was appointed vice provost and dean in July 1989. He succeeded Carol A. Cartwright, now president of Kent State University. Prior to his appointment as vice provost and dean, he was head of the Department of Geography. He joined Penn State in 1971 as assistant professor in the department. As department head, Dr. Knight founded the Deasy GeoGraphics Laboratory and brought three women to a previously all-male faculty.

"I have enjoyed serving the University as a faculty member, department head, secretary and chair of the University Faculty Senate, and as vice provost and dean," Dr. Knight said. "I take pride in the quality and success of people who I have brought to Penn State—in geography and in the administration. As an African proverb says, 'No matter how sharp the knife, it cannot carve its own handle.' Success we've experienced is attributed to the people with whom I am fortunate to serve."

"We are delighted that Dr. Knight will be returning to Earth and Mineral Sciences," John Dutton, dean of the college, stated. "He will strengthen our work in global environmental change and resource use."

Dr. Knight is a member of Phi Beta Kappa, the American Association for the Advancement of Science, the Association of American Geographers, the American Geographical Society, and Sigma Xi. He earned his A.B. cum laude at Dartmouth College and his M.A. and Ph.D. at the University of Minnesota.

See related story on Page 7

## College of Science establishes center to study properties of gene regulation

A Center for Gene Regulation, whose research focus is on the fundamental physical and chemical processes involved in gene regulation, has been established in the Eberly College of Science.

Gene regulation is at the heart of most biological processes, from the growth of an organism after fertilization to its demise from conditions such as cancer and genetic diseases. Ross Hardison, professor of biochemistry and director of the center, said he expects the research of the center to benefit the chemical, pharmaceutical, and waste management industries.

"Our research will provide the new knowledge necessary to support such biotechnology developments as, genetically based therapies to fight diseases, pest-resistant and higher-yield crops, and microbes capable of neutralizing pollutants."

According to Dr. Hardison, the purpose of establishing the center is to support and stimulate research and training in the many interfacing areas of gene regulation.

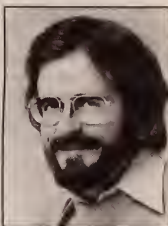
"The major research advances in gene regulation have come from interdisciplinary studies," he said. Additional goals of the center are to facilitate communication among independent research laboratories, to enhance opportunities for collaborative research projects, and to serve as a focus for the greater visibility of the research area.

"Even before we developed this administrative framework, many of the faculty had formed a highly interactive unit," Dr. Gregory L. Geoffroy, dean of the Eberly College of Science, noted. "By establishing a Center for Gene Regulation, we have provided a structure to ensure both continued interaction within this group and also the inclusion of other Penn State faculty with similar research goals."

The participating faculty share a common research interest in the mechanistic aspects of gene regulation, but their work is focused in a variety of directions. The faculty and their interests include:

Susan M. Abmayr, assistant professor of molecular and cell biology (muscle development in fruit flies); Andrew Buchman, assistant professor of molecular and cell biology (gene regulation in yeast); Jill Deikman, assistant professor of biology (gene regulation by plant hormones); Richard J. Frisque, associate professor of molecular and cell

biology (molecular approaches to pathogenicity and tumorigenicity in animal viruses); David S. Gilmour, assistant professor of molecular and cell biology (transcription potential of heat shock genes in fruit flies); Mark J. Gullman, assistant professor of plant molecular biology (hormonal control of plant gene expression); and Ross Hardison, professor of biochemistry and director of the center (control of globin genes in mammals).



Ross Hardison

Teh-hui Kao, associate professor of molecular and cell biology (molecular basis of self-incompatibility in plants); June Medford, assistant professor of biology (genetic engineering of plant development); Webb Miller, professor of computer science (software for sequence analysis); B. Tracy Nixon, assistant professor of molecular and cell biology (sensory transduction and transcriptional regulation in bacteria); B. Franklin Pugh, assistant professor of molecular and cell biology (biochemistry of transcription initiation); Chen-Pei David Tu, professor of biochemistry and molecular biology (molecular genetics of symbiotic metabolism); Don M. Wojchowski, assistant professor of molecular and cell biology (molecular and cell biology of red blood cells); and Jerry L. Workman, assistant professor of molecular and cell biology (chromatin and gene expression).

Dr. Hardison said the center also hopes to recruit an outstanding senior researcher in gene regulation to hold the Eberly Chair in Molecular and Cell Biology, along with three new junior-level faculty. He is particularly looking for one junior faculty member to help establish a transgenic mice facility for the study of developmental gene regulation in animals.

# LECTURES

## Annual engineering talk set for April 7

### History professor to lecture on book about mythology

Members of the University community are invited to attend a lecture given by Professor Wilson Jeremiah Moses on his book *Black Messiahs and Uncle Toms: Social Literary Manipulations of Religious Myth*.



Wilson Jeremiah Moses

The lecture will be held on Wednesday, April 14 at 3:30 p.m. in the American Studies Room of Pattee Library. Immediately following Dr. Moses' talk, a reception and book signing session will be held in Pattee Library's West Wing Staff Lounge on the third floor.

Before joining Penn State last fall as professor of history, Dr. Moses was a professor of history and English, and director of African American Studies at Boston University. He has published numerous articles in scholarly periodicals and is author of *The Golden Age of Black Nationalism, 1850-1925*, *Alexander Crummell: A Study in Civilization and Discontent*, and *The Wings of Ethiopia: Studies in African American Life and Letters*.

*Black Messiahs and Uncle Toms* is a study of mythology in the African American experience.

The lecture is co-sponsored by the Black Studies Program and the University Libraries and is dedicated in memory of Clarence Chisholm, former head of the University Libraries' Access Service Department.

### Lesh science lecture to be given April 12 at University Park

The third annual Lesh Lecture, "Different Drummers, Different Beats," will be delivered by Ernest Hodgson at 3:30 p.m. April 12, in the Assembly Room of the Nittany Lion Inn on the University Park Campus.

The Lesh Lecture is a series of lectures on scientific and chemical information made possible through the private support of Penn State alumna Dorothy Lesh and hosted by the University Libraries. Following the

lecture, a reception will be held in the Assembly Room.

Dr. Hodgson, pioneer of alternative publishing avenues in science and technology, will speak on his experience in publishing scientific papers, textbooks, monographs, and most recently, in undertaking the direct publication of *Reviews in Environmental Toxicology*, and *Reviews in Pesticide Toxicology*.

Dr. Hodgson is head of the

Department of Toxicology at North Carolina State University in Raleigh where he maintains an active research program in biochemical and environmental toxicology. He was the recipient of the American Chemical Society's Burdick and Jackson International Award in Pesticide Chemistry in 1989 and the Society of Toxicology's Education Award in 1984.

He has served on numerous national advisory committees and as

and was elected an honorary member of the American Society of Civil Engineers.

The lecture series honors Thomas C. Kavanagh, an engineering educator and structural engineer who served as professor of civil engineering at Penn State. After leaving Penn State, he served as a principal partner in an internationally recognized structural design firm and was one of the original twelve engineers elected to the National Academy of Engineering.



John W. Fisher

### Open house slated for Independent Learning

The Department of Independent Learning will hold an open house from 10 a.m. to 4 p.m. Tuesday and Wednesday, April 6 and 7, in Room 106 Mitchell Building on the University Park Campus. The public is invited.

Participants will be able to talk with Independent Learning advisers about credit and noncredit courses; learn how to earn credits this summer at any location; review course materials, and register for prizes. Refreshments will be available.

The purpose of the open house is "to let people know about the independent learning opportunities we offer." Carolyn Bender, an organizer of the open house, said, "Independent Learning has more than 200 courses which have been adapted by Penn State faculty members from their resident instruction courses. In addition, students can work toward and earn an associate degree in Business Administration, Extended Letters, Arts and Sciences and Dietetic Food Systems Management programs."

an officer in professional societies. Currently, he serves on the Superfund Study Section of the National Institute of Environmental Health Services, and Health Effects Review Panel of the Environmental Protection Agency.

Dr. Hodgson earned a bachelor of science degree in zoology/physiology from the University of Durham, England, and a doctorate in entomology/biochemistry from Oregon State University.

### Battle of the Bulge officer to be honored

The officer who commanded the engineer battalion at the Battle of the Bulge will be honored during an evening recounting the exploits of the 291st Engineer Combat Battalion at 7 p.m. Thursday, April 22, in the Keller Conference Center Auditorium at University Park Campus.

"The Damned Engineers in the Battle of the Bulge," an event sponsored by the Department of Civil and Environmental Engineering, is free to the public. A reception immediately follows the event.

The program honors David E. Pergrin, commanding officer of the 291st and a 1940 Penn State civil engineering graduate. The Battalion was highly decorated for its role in halting a major counterattack by the German 6th Panzer Army in the Belgian

Ardennes sector during World War II.

Colonel Pergrin will be available at the reception to answer questions and to autograph copies of his book, *First Across the Rhine*. The book will be available for purchase at the reception, with proceeds going to the Civil Engineering Scholarship Fund.

The 291st was constantly involved in action from mid-December 1944 until the end of the war in the European Theater. In addition to its activities in the Ardennes, the 291st helped to rescue survivors of the infamous Malmédy Massacre and played a vital role in building the 1,030 foot long Remagen floating bridge across the Rhine that contributed to the successful penetration of the First Army into the heart of Germany.

Courses that will be featured during the open house include Accounting 200, Art 1 and English 202, which are popular with students. Student advisors Jerry Goff and Diane Less will be on hand to answer questions about how Independent Learning courses can help students meet their educational goals.

At 3:30 p.m. April 7, there will be a prize drawing from entries submitted during the open house. The first-prize winner will have tuition and materials fees waived for any 3-credit Independent Learning course; the second-prize winner will have tuition waived for any 3 credit Independent Learning course; and the third-prize winner will have materials fees waived for any 3-credit Independent Learning course.

Besides Ms. Bender, other open house organizers are Tammy Myers and Ellen Gfroehrer. For more information, call Independent Learning at (814) 865-5403 (University Park area) or (800) 252-3592 (elsewhere in Pennsylvania).

# CQI

Continuous  
Quality  
Improvement

A bi-weekly column to keep the University community updated on CQI activities.

## ■ APRIL 14 SPEAKER

The University community is invited to hear Valerie Zeithaml, a nationally recognized expert in total quality management in the services industries, speak on quality service in higher education at 7:30 p.m. April 14 in the Nittany Lion Inn Ballroom. Ms. Zeithaml is the recipient of three distinguished teaching awards from Duke University and has authored numerous books and articles on the topics of customer satisfaction, service quality and services management.

## ■ FLOWCHARTING SOFTWARE

The CQI Center has received two flowcharting software packages: MetaDesign for Macintosh PCs and RF Flow for IBM Microsoft with Windows. Both are powerful graphics and text processors that help a user design flowcharts and keep track of complex diagrams and system models. While the CQI Center retains ownership rights for the disks and user's guides, they may be borrowed by CQI team facilitators or leaders for use with their teams.

## ■ NEW CQI TEAMS

Teams are currently forming to examine the following processes and receive training in the CQI problem-solving model and teambuilding:

- The operation of computer help desks in the Academic Computing Center, the University Libraries, and other locations;
- Billing retired University employees for health and life insurance and other benefits;
- The automated course registration system in the Keller Conference Center;
- Storage and access to accounting records;
- Trage in the University Health Services;
- Four teams at Berks Campus: payment of student bills; ordering and availability of textbooks; scheduling; and new student orientation.

## ■ CQI TEAM FAIR

Over 20 CQI teams will participate in the CQI Team Fair to be held in the HUB Ballroom on April 20 from 11 a.m. to 3 p.m. Teams will display information about their activities and show how CQI has improved quality in their units. Executive Vice President and Provost John Brighton will make welcoming remarks at noon. The event is open to the public.

## ■ INCREASE IN TEAMS TRAINED

Several teams have either already received team training or will begin team training within the next month. These teams include:

- ◆ The Office of Administrative Services;
- ◆ The Microcomputer Order Center;
- ◆ Retiree Benefits;
- ◆ The Smeal College Commonwealth Campus Students' Transition to University Park;
- ◆ Controller's Office (payroll vouchers);
- ◆ Faculty Searches in the University Libraries;
- ◆ The Office of Telecommunications;
- ◆ Interviewing potential MBA students;
- ◆ Advising in the College of Education;
- ◆ Keller Conference Center Registration\*
- ◆ Records storage of accounting information.

Questions about CQI should be directed to the CQI Center, University Park, (814) 863-8721.

## Nominations being taken for vice provost post

Nominations and applications are invited from within the University for the position of vice provost and dean for undergraduate education. The position will be available July 18.

The vice provost and dean for undergraduate education reports to the executive vice president and provost of the University and is the University's advocate for undergraduate academic programs, teaching, and advising. In cooperation with the academic deans, the vice provost and dean is responsible for the quality and effectiveness of undergraduate academic programs and teaching and advising.

The vice provost and dean administers activities to review the quality and appropriateness of new and existing academic programs and to monitor and improve teaching and advising, and fosters academic experimentation in undergraduate programs. Further, the vice provost and dean is administratively responsible for the promotion, coordination, review, and improvement of the undergraduate general education program of the University as specified by the University Faculty Senate and as delivered through the colleges.

The vice provost and dean is administratively responsible for Undergraduate Admissions, Student Aid, University Registrar, Division of Undergraduate Studies, University Scholars Program, Academic Assistance Programs, Instructional Development Program, Undergraduate Information and

Communications, Undergraduate Fellowships Office, University Testing Services, Intercollege Undergraduate Programs, Academic Support Center for Student Athletes, and ROTC.

In addition, the vice provost and dean chairs the University Council on Enrollment Policies and Planning, the Administrative Council on Undergraduate Education, and the Student System Committee which governs the University's Integrated Student Information System (ISIS).

The qualifications for the position include a terminal degree and a demonstrated commitment to undergraduate education; understanding and support for the University's multiple missions and its commitment to cultural diversity in its academic programs and within the University community; evidence of successful administrative experience in an academic unit and/or with University-wide committees; and credentials that permit effective working relationships with faculty, staff, and students.

The search committee will begin to review applications in April and will continue to receive them until a candidate is selected. Women and minorities are encouraged to apply.

Nominations and letters of application, accompanied by a curriculum vitae, should be sent to the Chair, Search Committee for the Vice Provost and Dean for Undergraduate Education, 201 Old Main, University Park, PA 16802.

## Retirement and economy prompt administrative reorganization in finance

President Thomas has announced an administrative reorganization in anticipation of the Dec. 31, retirement of Steve A. Garban, senior vice president for finance and operations/treasurer.

Dr. Thomas said he is not filling the position of senior vice president for finance and operations/treasurer when Mr. Garban steps down.

"As with other reorganizations and eliminations that are being put into place at Penn State, the absence of this position — and particularly the loss of the leadership and insight of

Steve Garban — will be felt keenly by me and others," Dr. Thomas said. "Nevertheless, in the face of the present economic uncertainties, this decision is necessary and appropriate."

Effective Jan. 1, 1994, James A. Wagner, vice president for business and operations, and Gary A. Schultz, associate vice president for finance, will assume Mr. Garban's duties and report directly to Dr. Thomas.

James L. Tarman, director of Intercollegiate Athletics, who currently reports to Mr. Garban,

also will report directly to the President of the University.

"These changes will mean that a total of two more persons will report directly to me," Dr. Thomas said. "In other circumstances, I would not increase that number. But for now and for the foreseeable future, I will continue with this organization, subject to small refinements that become obvious during the period of transition between now and the time Mr. Garban retires at the end of the calendar year."

## PRIVATE GIVING

## Hampton Inns gives \$150,000 for 35,000-square-foot Mater Building

Hampton Inns Inc. has given \$150,000 to help the University build and equip the new Mater Building for the School of Hotel, Restaurant and Recreation Management.

The 35,000-square-foot facility, located near Keller Conference Center at University Park, will house the school's dining room, production and research kitchens, classrooms, technology center, auditorium, conference room, hospitality information systems laboratory and offices.

Stuart Mann, director of the school, said that Hampton Inns' first and current president, Raymond E. Schultz, was instrumental in securing the gift. The Freeland native is a 1955 graduate of Penn State in labor and management relations. He spearheaded the development of the Hampton Inn concept in the early 1960's.

The College of Health and Human Development is raising \$4 million in private funds for construction, plus \$1 million for

equipment. Including a \$2.1 million University allocation, about \$5.78 million has been secured toward a goal of \$7 million.

A national leader in the hospitality industry, Hampton Inns operates more than 330 moderately priced facilities in 45 states, including one in State College. Three more are under construction in Canada, Chile and Mexico.

### Bach's Lunch

The Penn State Mallet Ensembles I and II will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The program of Mallet Ensemble I will include "Steady Pause" by Jennifer Higdon, "Farandole" from Bizet's "L'Arlesienne Suite No. 2," arranged by Gordon Peters, and Beethoven's "For Elise," arranged by David Long. Mallet ensemble II will perform "Solace" by Scott Joplin and "Hungarian Dances No. 5" by Brahms.

The mallet ensembles consist of students from the studio of Daniel Armstrong, associate professor of music, who also is director of Mallet Ensemble I. Mallet Ensemble II is under direction of Keith Tennent, a graduate percussion performance major.

### "The Last Hat Trick"

"The Last Hat Trick" will take on a surprising meaning when University Readers perform Esther Kauric's Nichol Award-winning story at 8 p.m. Friday and Saturday, April 2 and 3, in Kern Auditorium on the University Park Campus.

The award is given annually by the Department of English to honor the best stories from fiction-writing classes at the University. The University Readers have performed many award-winning stories by Penn State students since 1985 as a way to orally "publish" the work of young writers.

The director for "The Last Hat Trick" will be Tony M. Lentz, with Gussie Casamento as Gretchen (the narrator), Caroline Tseo as Gram, Luane Bruce as Tom; Tim Boone is Bob; Sim Whitehill as Mark; Matt Diehl as Bud, and Kara Kravetz as Shirley.

"The Last Hat Trick" presents a daughter, mother and grandmother on a regular family outing to the neighborhood restaurant. The story is both funny and moving, with a surprise dramatic ending that gives the title a double meaning.

Readers therefore employs the storytelling skills of the oral tradition to perform works of literature verbatim. Like radio drama, the focus is on the audience's imagination, with some gesture, costume and lighting for support.

The Readers will perform two other Nichol Award-winning stories April 16 and 17.

### Ceramic artists

Anna Jalickoe and Gary Hess, master of fine arts candidates in the ceramics area in the School of Visual Arts, will

present their thesis exhibitions April 3 through 13 in Zoller Gallery Building on the University Park Campus.

Ms. Jalickoe's hand-built vessels and sculptures are made of earthenware clay that is deeply carved and then glazed with terra sigillata and low-fire glazes. Her work focuses on her study of the relationship of the exterior surface of a vessel to surfaces found in nature.

Mr. Hess' ceramic vessel forms are thrown in sections, trimmed and assembled with extruded elements. His work explores the mysteries of the contained space he has created.

Zoller Gallery hours are 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday; and noon to 4 p.m. Sunday. The gallery will be closed April 10 and 11 for the Easter holiday.

### University Choir

The University Choir of the School of Music will present "In Praise of Music" at 3 p.m. Sunday, April 4, at Grace Lutheran Church, State College. The program will feature sacred and secular choral literature set to

texts about music by Fachelbel, Stanford, Dstler and others. Sine Nomine, a chamber ensemble consisting of University Choir members, will complete the program with a selection of madrigals and part songs.

The University Choir is conducted by Lynn Drafall, assistant professor of music education. Alex Hill, instructor in music, is assistant conductor.

The concert is free to the public.

### Artist to lecture

Masumi Hayashi, visiting artist in the School of Visual Arts, will present a lecture on her photographic collages at 4 p.m. Monday, April 5, in Zoller Gallery in the Visual Arts Building on the University Park Campus.

Ms. Hayashi's current work combines documentary audio tapes of candid interviews with surviving Japanese-Americans detained in internment camps in the United States during World War II. Against this audio context, she poses poignant photographic images of the camps as they exist today—barren and abandoned. Through this juxtaposition of aural and visual imagery, she seeks to reinscribe the abandoned camps as monuments to a disgraced chapter in American history.

Ms. Hayashi was born in Gila Bend Relocation Camp, Ariz., and now lives in Cleveland, Ohio. She is associate professor of art at Cleveland State University. Her work has been exhibited at the Cleveland Center for Contemporary Art, the Visual Studies Workshop in



A ceramic vessel by Anna Jalickoe. Part of the exhibit. Rochester, N.Y., Cleveland Museum of Art, Kohler Arts Center in Wisconsin, Andrea Ross Gallery, Santa Monica, Calif., and the Project Arts Center in Cambridge, Mass.

the artist will visit Monday, April 5, and Tuesday, April 6, during which time she will meet with students, faculty and all others interested in her work in the School of Visual Arts. For further information, contact Micaela Amato at (814) 863-0444.

The lecture and all events connected with her visit are free and open to the public. Her visit is sponsored by the School of Visual Arts, the MUCIA Fund, EOPC and the College of Arts and Architecture.

### Castalia Trio

The Castalia Trio will perform its spring concert at 8 p.m. Monday, April 5, in the School of Music Recital Hall on the University Park Campus.

The program will provide a preview of the trio's repertoire for its forthcoming European tour. Included will be Mozart's Trio in B-flat, K. 502; Trio in B Major by Johannes Brahms; and Third Piano Trio, Opus 46 by contemporary composer Robert Muczynski.

The Castalia Trio consists of pianist Marylene Dosse, professor of music; violinist James Lyon, assistant professor of music, and cellist Kim Cook, assistant professor of music.

The concert is free to the public.

### Jazz ensembles

The Inner and Outer Dimensions Jazz Ensembles will perform in concert at 8 p.m. Wednesday, April 7, in the School of Music Recital Hall on the University Park Campus.

The program will include the music of Woody Herman, Maynard Ferguson, Duke Ellington, Count Basie and a selection of contemporary composers. Dan Yoder, director of jazz studies, will be featured on soprano saxophone with Inner Dimensions on Frank Mantooth's "Stapes."

The Inner and Outer Dimensions Jazz Ensembles are under the direction of Stephen Dekker and James Robinson, both graduate students of music education.

The concert is free to the public.

### The arts on Channel 3

The Metropolitan Opera Presents "Farsfall" airing at 8 p.m. Wednesday, April 7, on WTSA-TV. James Levine conducts the Metropolitan Opera's rousing Easter Week telecast of Richard Wagner's tale about the once great King Amfortas. The cast includes Waltraud Meier, Siegfried Jerusalem, Bernd Weikl, Franz Mazura, and Jert Mull. The performance is sung in German with English subtitles.

World renowned soprano Dame Kiri Te Kanawa joins the Mormon

Tabernacle Choir, and the Utah Symphony for "An Easter Gift of Music" airing at 9 p.m. Friday, April 9. Conducted by Julius Rudel, this unique Easter concert of classical and popular favorites includes "Ava Maria," "Climb Every Mountain," "You'll Never Walk Alone," and "O Divine Redeemer." The special was taped at historic Temple Square in Salt Lake City.

### Jazz guitarist

Jazz guitarist Mark Whitfield will perform at 8 p.m. Wednesday, April 7, in Eisenhower Auditorium on the University Park Campus.

A jazz traditionalist, the 25-year-old Whitfield shuns synthesizers and jazz fusion. His two albums, "The Marksman" and "Patrice," have popularized his blend of traditional jazz, sultry Delta blues, bottleneck slide, spirituals and Latin rhythms.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

### Scholastic art

An exhibition to showcase student art work from grades 7 to 12 from local Pennsylvania school districts is on display through April 11 at the HUB Art Alley Cases on the University Park Campus.

Area schools submitted art work to the local Scholastic Art Competition in January. Fifty-eight pieces of flat work, in addition to 3-dimensional and photography pieces were selected through a jury process to go on to the state competition. The pieces selected for state competition are being displayed in the exhibit.

### Jewelry exhibit

An exhibition of jewelry designed by Jill Elizabeth is on display in Pattee Library's Lending Services Gallery on the University Park Campus through April 17.

The subject of many of the pieces is inspired from ancient myth and folklore, including figures of Isis, Firebird, Navajo Yei and many others. The figures are made of hand cut mirrored chrome, beads, colored wire, crystals, and shells to create a vivid and decorative effect.

Jill Elizabeth and her husband, Scott McLaren, are founders of Litzsch Jewelry Company in East Stroudsburg. Last year, her works were on display at the Central Pennsylvania Festival of the Arts.



A pin designed by Jill Elizabeth.



# University Park Calendar

## April 1 — 11

### SPECIAL EVENTS

**Thursday, April 1**  
Undergraduate Research Fair, through April 3.  
Bach's Lunch, noon, Helen Eakin Eisenhower Chapel, The Penn State Mallet Ensemble I and II.

CWS, noon, 120 Boucke Bldg. Donna Hughes on "Feminist Activism."

■ The Russian Club, 1-2:15 p.m., 101 Althouse. Evgenia Albats on "Uncovering The Work Of The KGB" and "The Current Status Of The Russian Press."

Feminist Scholars, 8 p.m., HUB Gallery. Elizabeth Elsworth on "Who Does This Lecture Think You Are? Academic Performances of Gender and Other Social Identities."

**Friday, April 2**

Storytelling Program, 10-11 a.m., Penn State Bookstore. Feature storyteller, Carol Hermann.

■ Geography, 3:30 p.m., 319 Walker Bldg. Alfred Pletsch on "The Economic and Social Consequences of Germany's Unification."

Graduate Policy Analysis, 3:30-5 p.m., 12 Sparks Bldg. David L. Feldman on "Policy Analysis and Redirection: The Low-Level Radioactive Waste Policy Act."

Speech Communications, 8 p.m., Kern Auditorium. University Readers will perform "The Last Hat Trick," also April 3.

**Saturday, April 3**

AALU Used Book Sale, 3-9 p.m., HUB Ballroom. Also April 4-7, 9 a.m.-9 p.m., club.

Shaver's Creek, 10 a.m.-2 p.m. Colored Pencil Workshop, call 863-2000.

■ Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. A member of Ballet Hispanico on "Artistic Viewpoints."

■ Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Ballet Hispanico, tickets required, also April 4.

School of Music, 8 p.m., Recital Hall. Penn State Concert Choir/Chamber Singers, Anthony Leach, conductor; tickets required.

**Sunday, April 4**

Shaver's Creek, 2-3 p.m. Winged Hunters, call 863-2000.

School of Music, 3 p.m., Recital Hall. Penn State University Choir, Lynn Ellen Drafall, conductor.

**Monday, April 5**

■ Comparative Literature, 12:15 p.m., 101 Kern Bldg. Gerhard Strasser on "The First Knowledge Of Tibet In The West: A Jesuit's Exploration, From Tibet To India."

Visual Arts, 4 p.m., Zeller Gallery, Visual Arts Bldg. Masumi Hayashi will present lecture on her photographic collages.

Martin Luther King Jr. Lecture, 7:30 p.m. Paul Robeson Cultural Center. Featuring the Rev. Prathia Wynn.

School of Music, 8 p.m., Recital Hall. The Castalia Trio.

**Tuesday, April 6**

Storytelling Program, 10-11 a.m., Penn State Bookstore. Featured storytellers, Arlene and Harold Cheatham.

**Wednesday, April 7**

CWS Brown Bag Lunch, noon-1:30 p.m., 120 Boucke Bldg. "Film Discussion: 'Before Stonewall: The Making Of A Gay And Lesbian Community'."

Continuing Education, 3:30-4:30 p.m., 502 Keller Bldg. Judith K. Brown on "Conflicts & Conspiracies: Relationship Between Older and Younger Women in Cross-Cultural Comparison."

Structural Engineering, 7:30 p.m., Nittany Lion Inn. John W. Fisher on "Fatigue Cracking in Steel Bridges and Techniques for Retrofitting."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Mark Whitfield, tickets required.

School of Music, 8 p.m., Recital Hall. The Inner and Outer Dimensions Jazz Ensembles, Stephen Dekker and James Robinson, directors.

**Thursday, April 8**

LIAS "Hands-On" Training, 2 p.m., C402 Pattee Library. Contact Sandy Slaughter 865-0401.

CWS, 9 p.m., 101 Agricultural Sciences Bldg. Scott Tucker on "The Many Epidemics of AIDS: Queer Revolt and Health Care."

**Friday, April 9**

Good Friday

**Saturday, April 10**

Shaver's Creek, 1-2 p.m. Who's Egg is It? Call 863-2000.

**Sunday, April 11**

Easter

### PUBLIC RADIO

WPSU-FM 91.1

"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.

### CONFERENCES

**Thursday, April 1**

Sports Medicine, 60 attendees, Nittany Lion Inn. F. Rocco, chair; W. Slemmer, coordinator.

Industrial Sales Management Program, 25 attendees, Nittany Lion Inn. P. Bennett, chair; J. Mencher, coordinator; through April 2.

Financial Analysis of 20 Strategic Management, 20 attendees, Nittany Lion Inn. T. Curley, chair; J. Mencher, coordinator; through April 8.

Forest Issues Conference, 250 attendees, Days Inn Penn State. J. Finley, chair; M. Johnson, coordinator; through April 2.

**Friday, April 2**

14th Annual Meeting of Latin American Studies, 100 attendees, Nittany Lion Inn. C. Ameringer, chair; J. Milsom, coordinator; through April 3.

Political Science Association Meeting, 50 attendees, Nittany Lion Inn. Z. Irwin, chair; C. Heid, coordinator; through April 3.

Children's Literature Matters, 350 attendees, Nittany Lion Inn. D. Hade, chair; C. Anderson, coordinator; through April 3.

Football Coaches Clinic, 400 attendees, Toltrees. F. Rocco, chair; W. Slemmer, coordinator; through April 3.

**Saturday, April 3**

Challenges and Achievements III: A Networking Conference for Women in the Sciences and Engineering.

**Sunday, April 4**

Tort Liability and Risk Management, 120 attendees, Nittany Lion Inn, Hampton Inn, Atherton Hilton. W. Kiaranski, chair; B. Impellitteri, coordinator; through April 7.

**Monday, April 5**

The National Faculty Academy of PA Teachers II, 15 attendees, Nittany Hall. B. Nicely, chair; R. Maclean, coordinator; through April 30.

**Tuesday, April 6**

Pennsylvania Poultry Sales and Service, 90 attendees, Nittany Lion Inn. W. Weaver, chair; G. Peterson, coordinator; through April 7.



Jazz guitarist Mark Whitfield will perform at 8 p.m. Wednesday, April 7, in Eisenhower Auditorium at University Park.

Visible Emissions Training Program, 40 attendees. R. Heinsch, chair; W. Slemmer, coordinator; through April 7.

Animal Cell Culture Methods, 18 attendees, Days Inn. K. Rashid, chair; J. Milsom, coordinator; through April 9.

### SEMINARS

**Thursday, April 1**  
Ceramic Science, 11 a.m., 301 Steidle. Michael Readey on "Microstructure, R-Curve Behavior, and Reliability of Ceramics."

Physics, 3:30 p.m., SS Osmond Lab. Thomas Gramila on "Virtual Photon Exchange and How To Directly Measure It."

Computer Science, 4 p.m., 325 Whitmore Lab. Donald E. Thomas on "Computer-Aided Design Of Integrated Circuits And Systems."

LIAS Training, 7 p.m., C402 Pattee Library. Training class on new searching techniques.

**Friday, April 2**

Research in Conflict and Negotiation, 10:30 a.m., 115 Bean Bldg. Ella L. Belle on "The Concrete Wall Versus The Glass Ceiling: Career Perceptions Of Black and White Women."

Accounting, 3:30 p.m., 333 Beam BAR. Regina M. Anzell on "Capital Budgeting Using Residual Income Maximization."

School of Forest Resources, 3:45 p.m., 504 ASI Bldg. Ken Rattan on "Multi-Species Mediation Of Plant-Insect Interactions In Pines."

Earth System Science Center, 3:45 p.m., 26 Mineral Sciences Bldg. James E. Loveck on "Geophysics—An Update."

■ Spanish, 4 p.m., Keller Conference Center. Antonio Munoz Molina will speak in Spanish on the novel during the period of Spain's transition to democracy.

**Saturday, April 3**

Adult Learners Svcs., Career Development/Placement Svcs., 9 a.m.-noon, 321 Boucke Bldg. "Women's Career and Life Planning Seminar Series."

Geosciences, 3:30 p.m., 341 Deike. Maureen

Raymo on "Pilot-Plasticene Evolution Of Global Climate."

**Tuesday, April 6**

School of Communications, 11:45 a.m.-1 p.m., 101 Carnegie Bldg. Steve Knowlton on "What Do We Have A Right To Expect From Journalism?"

Plant Pathology, 1-2:15 p.m., 112 Bukkoth Lab. Timothy Frontz on "Disease Of Aspen In Pennsylvania."

Graduate Program in Nutrition, 4 p.m., S209 Henderson Bldg. Bernadette Marrott on "Food and Nutrition Board Projects with an Emphasis on Aging."

Operations Research, 4:35 p.m., 210 Hammond Bldg. Miron Halberg on "Using Quadratic Programming To Assess The Consequences Of Free Trade Between The U.S. And Canada in the Dairy Industry."

**Wednesday, April 7**  
Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg.

Robert Ting on "Recent Developments In Underwater Acoustic Materials For Transducer Applications."

**Thursday, April 8**  
Adult Education, 2:00 Charlotte Bldg. Donna Queeney on "Continuing Professional Education."

Physics, 3:30 p.m., SS Osmond Lab. Yuri Dokshitzer on "What Does QCD Parton Multiplication Picture Tell Us About Confinement?"

**EXHIBITS**

**HUB Art Alley Cases:** Showcase of student art from grades 7-12 from local Pennsylvania school districts; through April 11.

**HUB Browning Art Gallery:** Displaying work of the Color Slide Club of State College; through April 18.

**HUB Formal Gallery:** "To Color America: Portraits By Winold Reiss," through May 2.

**Zoller Gallery:** Master of Fine Arts Sites Exhibition, through April 13.

**Chambers Gallery:** "Cat Food Be Not Proud. A Dialogue," through April 30.

**Art Education Graduate and Metals Area Exhibition:** through April 30.

**Pettee Library Lending Services:** Jewelry exhibit by Jill Elizabeth; through April 17.

**Lobby:** Exhibit focuses on historic buildings in State College featuring the work of the State College Borough Historic Resources Study Committee; through April 30.

**University Archives/Penn State:** "Why Not for Girls? Dorothy V. Harris and Women's Sports Psychology," through May 5.

■ Reflects on international perspective

# Arts

Continued from Page 8

## Faculty exhibit

Nine faculty members of the School of Visual Arts will exhibit their work in a Painting and Drawing Faculty Exhibition April 9 through May 13 at the Owen/Patrick Gallery, Philadelphia.

The faculty members are: Micaela Amato, Santa Barraza, David Lloyd Brown, Paul Chidester, Sharon Dunn, Bill Hanson, John Kissick, Jerrold Maddox and Helen O'Leary.

## Odyssey on WPSU

Ukrainian poet Oksana Zabuzhko, a visiting Woskob Fellow in the Humanities, reads and discusses her poetry on the next Odyssey Through Literature broadcast, "Through the Smokescreen of Familiarity."

"My major concern as a poet," Ms. Zabuzhko tells host Leonard Rubinstein, "is the loneliness of the artist in present-day civilization, the problem of culture in a very brute sense of the word."

"Present-day civilization unfortunately does not leave us time to experience any genuine feeling in full scale. We are in a constant rush. We are jammed with social obligations. Mass media and TV bombard us with information and don't give us a span of time to think about it, to feel it, to sense it in terms of human feeling."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

## Spanish play

On April 17, the Department of Spanish, Italian and Portuguese and the Spanish Club will sponsor a production in Spanish of the play by contemporary Spanish playwright and poet Rafael Alberti, *Noche de guerra en el Museo del Prado A* (Night of Warfare in the Prado Museum).

The play will be performed by the Drama Group of the Spanish Department of the University of Virginia at 3 p.m. in the Paul Robeson Center.

## HUB exhibits

Wimold Reiss (1886-1952) — primarily known for his Art Deco-style graphics and interior design — also was a portraitist who depicted members of diverse ethnic groups with respect for the cultures from which they heraled. Forty photographic reproductions of a selection of Reiss's paintings have been assembled in an

exhibition on display until May 2 at the Formal Gallery in the Hetzel Union Building (HUB) on the University Park Campus.

"To Color America: Portraits By Winold Reiss" was organized by the National Portrait Gallery, Smithsonian Institution, Washington, D.C., which displayed 90 of the artist's portraits from Oct. 27, 1989 until April 1, 1990. The Smithsonian Institution Traveling Exhibition Service (SITES) is circulating 40 reproductions of paintings that were featured in the original exhibition.

"Reiss's unique achievement remains his record of his contemporaries from diverse ethnic backgrounds," says Alan Fern, director of the National Portrait Gallery.

"Whether his viewpoint as an observer from another land freed him from the burden of stereotypes too often carried by American-born artists, or whether he was endowed by a special sensitivity to the dignity of individual human beings, he managed to transcend what might have seemed to others the "exotic" aspects presented by these various ethnic groups and present us with portraits of men and women seen as fascinating individuals, full of personality."

In another HUB exhibit, the browsing Art Gallery is displaying the work of the Color Slide Club of State College until April 18.

The 61-member club presents color prints covering diverse subject matter — from Antarctica, Copenhagen and Barbados to Hawaii, the American Southwest, Plains and New England, from flowers and caterpillars to crystals and boats.

The Color Slide Club of State College was founded in 1947 and has, since then, promoted interest in and advancement of amateur slide photography through sponsorship of and participation in local exhibitions and workshops, as well as monthly programs and slide competition geared to enhance the technical, compositional and visual skills of members.

## ARTS AT . . .

### Behrend College

The American Brass Quintet will conclude this season's "Music at Noon: The Logan Wintergarden Series" when they perform at Penn State Erie, The Behrend College, at noon Wednesday, April 14.

The performance is free to the public.

## CAMPAIGN UPDATE



Since July 1992, faculty and staff have committed \$1.55 million in gifts and pledges to various programs University-wide. If Penn State faculty and staff commit at least \$2 million to any program by June 30, alumni Bill and Joan Schreyer will give \$1 million to The Campaign for the Library.

## PENN STATERS

David A. Anderson, professor of civil engineering, has been selected to receive a University of Connecticut Engineering Alumni Award.

The awards are granted annually to graduates of the School of Engineering who have distinguished themselves in engineering practice or education.

Jack Gido, director of PENNTAP (Pennsylvania Technical Assistance Program), has been elected to the Board of Directors of the American Industrial Extension Alliance.

J. Christopher Haney, associate professor of wildlife technology at the Penn State DuBois Campus, has been named a research associate in

ornithology for 1993 at the North Carolina State Museum of Natural Sciences in Raleigh.

Robert E. Newnham, associate director of the Materials Research Laboratory and Alcoa professor of solid state science, has been elected an honorary member of the Materials Research Society of India in recognition of his work on sensors, actuators, and other composite components.

Steven Spencer, professor of dairy science, has received the Distinguished Service Award of the National Mastitis Council for "outstanding service and devotion to the high ideals and objectives of the National Mastitis Council."

## PROMOTIONS

### Staff

Cynthia A. Allue to supervisor, Pharmacy Services, at Hershey Medical Center.

Antoinette A. Baylets to staff assistant VI in Computer and Information Systems.

Toni M. Benner to editorial assistant in Agricultural Sciences.

Brenda S. Bidler to staff assistant VI in Engineering.

Jeffrey A. Bowen to technician/research at Hershey Medical Center.

Jennifer A. Brown to staff assistant IV in Bookstore.

James P. Catello to senior project associate in Education.

Timothy J. Dunkle to foreman/trades at Hershey Medical Center.

Bruce E. Farrell to respiratory therapist at Hershey Medical Center.

Jeffrey C. Grandy to senior research technologist in Agricultural Sciences.

Kathleen K. Greider to administrative assistant II at Hershey Medical Center.

Lee W. Grotzyhann to research project associate at Hershey Medical Center.

Lisa A. Johnson to respiratory therapist at Hershey Medical Center.

Mary E. Kenney to staff assistant VI at

Hershey Medical Center.

Kessey J. Kieselhorst to manager in Clinical Nutrition at Hershey Medical Center.

Monica D. Kling to staff assistant VI in Housing and Food Services.

Kay M. Klinger to administrative assistant I at Hershey Medical Center.

Diane J. Kues to staff assistant VI in Research and Graduate School.

Laurie Leitzell to staff assistant V in Intercollegiate Athletics.

Ina K. Lubin to director of Continuing Education at Wilkes-Barre.

Catherine J. Mauro to staff assistant VI at Behrend.

Cathy J. McKain to clinical head nurse at Hershey Medical Center.

Eleanor A. McMannes to staff assistant VII in Health and Human Development.

Jennifer R. Nostetina to staff assistant IV in ARL.

George A. Patrick to assistant director in Corporate Controller's Office.

Ellen M. Pompey to senior technical specialist at Hershey Medical Center.

Rosa M. Richardson to director of development in Continuing Education.

## CARPOOL

Barb is looking for a carpool from Port Matilda to University Park. Her work hours are 8 a.m.-5 p.m., Monday through Friday. Call 865-0419.



# Focus on Research

Intercom  
April 1, 1993

Page 11

## When it comes to music, depressing song lyrics can drown out a good melody

The power of song lyrics to change mood outweighs that of the melody, according to two University researchers. "Our experiments show that when bouncy tunes are paired with gloomy lyrics, the listener ultimately focuses on the lyrics, not the melody," said Annette H. Zalanowski, associate professor of music at the University's Altoona Campus. "In fact, a pleasant melody can actually reinforce the depressive effect of downbeat lyrics, rather than reverse the effect."

"When the brain is confronted by conflicting stimuli, it attempts to make the stimuli match," said Valerie N. Stratton, associate professor of psychology at the Altoona Campus. "This apparently explains the brain's overall negative reaction to a combination of positive melody and negative lyrics."

Studies by Drs. Zalanowski and Stratton reveal that pairing a pleasing melody with depressing lyrics results in a lowered pleasantness rating for that melody one week later.

"This illustrates the powerful and lasting effect of knowledge, not emotion, on the music listener's mood," said Dr. Stratton.

The researchers conducted three experiments that exposed 48 non-music majors to several variations of music and lyrics, alone or paired, and measured mood change and pleasantness ratings.

During the first experiment, students listened to music and lyrics for "Why Was I Born," a ballad with sad lyrics written by Oscar Hammerstein and Jerome Kern. The first group listened to the melody alone; the second, to the lyrics alone; and the third, to the lyrics with melody. Each group rated the degree of pleasantness.

"The first experiment suggested that listening to music alone reduced depression while listening to the lyrics or lyrics with music both increased depression," Dr. Stratton said. "The students rated lyrics alone as the least pleasant, music alone as the most pleasant and music with lyrics in between."

In the second experiment, some of the students listened to both melody and lyrics for "Why Was I Born," while a second test group listened to melody and lyrics from another ballad. One week later, without knowing the titles, both groups listened to five melodies without lyrics including the target song, "Why Was I Born," and rated them for pleasantness and familiarity.

"Although most subjects did not recognize the melody of 'Why Was I Born' one week later, the first group rated it less pleasant than the second group," Dr. Zalanowski said. "The depression caused by the lyrics still lingered in the memory."

In the third experiment, the song was re-recorded two ways. In one version, new and more pleasant lyrics were written, while in the second, the same lyrics were used but were played with a more upbeat style. Again, the students rated the degree of pleasantness.

"Once again, lyrics were shown to have a stronger influence than melody," Dr. Stratton said. "Students listening to the pleasant lyrics rated them no more or less depressing than the music alone. However, an upbeat style could not counteract the effect of the depressing lyrics, and students gave a low pleasantness rating to lyrics sung with an upbeat melody."

Dr. Zalanowski added, "These results indicate that, if music is going to be used to improve mood in the workplace or hospital, both lyrics and melody should be equally positive. Listeners are not so caught up in the melody that they pay no attention to the lyrics."

The Penn State researchers recently presented the paper, "Mood as a Function of Music vs. Lyrics" at a joint conference of the British Society For Music Therapy and Association of Professional Music Therapists at King's College, Cambridge University.

— Paul A. Blaum



### Personality measurements reach same conclusion

Two standard personality measurements — a character analysis using dictionary adjectives and a 462-item questionnaire — both arrive at the same conclusion: everybody is made up of five basic personality attributes, according to John A. Johnson, associate professor of psychology at Penn State's DuBois Campus.

"The relative mix of these five personality attributes determines who we are," Dr. Johnson said. "My recent finding is that dictionary-based classifications of personality and personality assessment questionnaires both reduce personality to these same five characteristics."

What are those characteristics? Extraversion, agreeableness, conscientiousness, emotional stability, and intellect or openness to experience.

"Anybody can be described with a combination of those five characteristics," he said.

### Adults caring for parents face many burdens

People 55 and older with an elderly or ill parent face both economic and psychological hardships during the lifetime of that parent, according to University researchers.

"Having a very old parent does not itself create burdens for aging adult children," said Dennis P. Hogan, professor of sociology. "In fact, middle-aged people with healthy parents frequently appear better off financially than peers with no living parent. A parent both old and sickly, however, is another issue."

In studies done by Dr. Hogan, David J. Eggebeen, assistant professor of human development, and Sean M. Smith, graduate lecturer in economics, the researchers found that middle-aged adults caring for infirm parents have less time for social activities, quarrel more with their spouse, have substantially smaller savings and investments, and are often depressed. In addition, they receive support from their own children and friends.

Mr. Smith indicated that siblings may prove reliable sources of support.



Annette Zalanowski (left) and Valerie Stratton

Photo: Courtesy of Penn State Altoona Campus

# Visiting the future of telecommunications

So you need to work something out with colleagues, but you don't have time to trek across campus for a visit? No problem. Call them on the telephone, look them straight in the eye and discuss the situation. Wait a minute... look them in the eye?

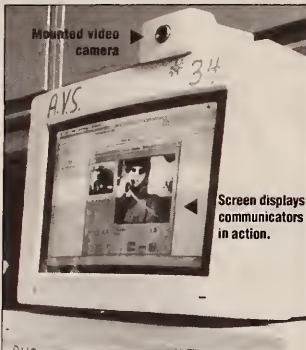
That's the right. Penn State is the testing ground for a new personal computer-based, multimedia communications system that allows users to view their contact via computer screen. The program, known as VISIT, incorporates voice, video and data, and is a product of Northern Telecom. VISIT has been in use at six different sites at the University since July 1992.

"It's an exciting dimension to communication that definitely enhances any exchange," said Jeff Kuhns, director of Voice Services and Administrative Support in the Office of Telecommunications. "We haven't had a large number of users because there aren't that many video machines in circulation. The ability to use this system grows as the ability to connect grows."

Through the use of a small video camera mounted on the computer, both your's and your contact's picture appear on the screen in full-motion, gray scale display. This personal, face-to-face communication is touted as more productive because it allows users to share ideas and come to a consensus more quickly. For Penn State,

an institution with multiple locations, the use of such a software program could help draw campuses together.

"After talking with people who are currently using this system, the overriding idea that came through was the ease with which decisions were now being made," said Margaret Gearhart, writer/editor in the Office of Telecommunications. "The personal side of this communication system - actually being able to see a person - helps people work together better."



VISIT program loaded on a Macintosh computer.

In addition to its videoconferencing capabilities, VISIT also allows users to collaborate on documents by sharing their screens. What one person sees on the screen in their own office, the person they're working with also can see. In fact, if the document on the screen needs a little revising, both people can simultaneously make corrections with different colored pens - allowing Northern Telecom to make the claim that people can get more things done faster with VISIT.

Penn State, like other sites across the United States including the University of Michigan in Ann Arbor and the Jet Propulsion Laboratories at the University of Southern California, is part of a pilot program to help work out the bugs in this hot new technology - a technology that many hope will not only enhance communication, but educational endeavors as well.

"We are interested in certain aspects of this technology that could be used for the International Distance Education Conference in 1994," said Mary Ann Lyman-Hager, assistant professor of French. "We'd like people to work simultaneously on writing a white paper on the subject of distance education and the state of distance

education. This type of communication medium promises to bring groups from across the United States and different countries together."

Dr. Lyman-Hager, a VISIT user experimenting with the technology, hopes VISIT will add a new twist to undergraduate education. The assistant professor believes she can use VISIT in the future for "peer editing sessions" in group situations. Students will be able to work together on a project, yet also work independently.

Likewise, Vincent Lunetta, professor of education, has been working on the educational advantages of VISIT. In cooperation with a colleague at the University of Michigan, Dr. Lunetta has been able to enter Michigan classrooms via computer to talk about the use of instructional simulations in teaching.

"This could be very important for concept development in the areas of math and science and other fields where students have the opportunity to take a look at dynamic models displayed graphically and visually and not just see it in words or in static figures," Dr. Lunetta said. "This type of technology makes it possible to visualize students at remote sites."

"Human interaction is an important part of teaching and learning."

In the future, Dr. Lunetta also hopes to use VISIT to facilitate a collaborative research effort between Penn State and University of Michigan undergraduates. The work would focus on student cognition in science within local school environments in both states.

"With this technology it becomes possible to visualize students at a remote site. Transmission is entirely over conventional phone lines," Dr. Lunetta said.

So far, all of the users of the system are Macintosh users, but employees in the Office of Telecommunications are working to change that situation. VISIT is the first videoconferencing system with video communication capabilities between Macintosh and IBM computers, so that you and a colleague can collaborate regardless of which computer platform either of you uses.

"We're in the process of working out the bugs associated with installing it on the PC for PC users with the Windows software program," Ms. Gearhart explained. "It has been exciting working with this system. Available funding and the actual need will determine how widespread it becomes on campus in the coming years."

The six sites with VISIT capabilities include not only Drs. Lunetta's and Lyman-Hager's offices, but also three other University Park offices and one office at The Hershey Medical Center.

"This is a technology with a wide range of uses. This trial was meant to help us explore those uses and we want to keep exploring," Mr. Kuhns said. "From that aspect, this pilot program has been extremely successful."

— Lisa M. Rosellini



Mary Ann Lyman-Hager, assistant professor of French, works out the bugs of the system with Mike Halm, from the Center for Academic Computing. Photos: Greg Grieco

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April 1, 1993  
Vol. 22, No. 26

## PENNSTATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

April 8, 1993

Volume 22, Number 27

## Hershey biomedical facility to be dedicated this month



The College of Medicine will dedicate its new Biomedical Research Building with a scientific symposium, "New Frontiers in Biomedical Research," April 12-16 at The Hershey Medical Center.

The symposium will feature six of the nation's leading scientists in the fields of neuroscience, transplantation, immunology, diabetes, and molecular and genetic medicine. Symposium speakers and their topics on Thursday, April 15, will be:

**Floyd E. Bloom**, professor and chairman of neuropharmacology, Scripps Research Institute, "Neuroscience Research: From Molecules to Behavior,"

**Harold E. Varmus**, Nobel laureate and professor of microbiology and immunology, University of California at San Francisco, "Retroviruses and Oncogenes,"

**June E. Osborn**, dean of the School of Public Health, University of Michigan, "Basic Research and the AIDS Epidemic,"

**Thomas E. Starzl**, director of transplant surgery and professor of surgery, Presbyterian University Hospital and University of Pittsburgh School of Medicine, "The Basis of Organ Transplant Acceptance,"

**Stanley Cohen**, Nobel laureate and distinguished professor of biochemistry, Vanderbilt University, "Epidermal Growth Factor and its Receptor,"

**C. Ronald Kahn**, Mary K. Iacocca professor of medicine and chief of diabetes and metabolism, Brigham and Women's Hospital, and director of the Elliot P. Joslin Research Laboratory, Joslin Diabetes Center, Harvard Medical School, "The Many Levels of Insulin Action: From Plasma Membrane to Cell Nucleus."

Each of the College of Medicine's departments will conduct their own symposia on April 13, 14 and 16.

**C. McCollister Everts**, senior vice president for health affairs and dean of the College of Medicine, said, "Although a relatively young academic medical center, Penn State's Hershey Medical Center has slowly but steadily grown in

both facilities and faculty over the past 25 years, never losing sight of the high priority given to research by the original building, which physically integrated basic investigations with adjacent clinical faculty. However, the construction of the Biomedical Research Building provides for the largest single growth in research space since the original center was built."

The Biomedical Research Building will house laboratories and offices for the departments of microbiology and immunology, neuroscience and anatomy, pathology, anesthesiology, medicine, ophthalmology, pediatrics and surgery.

The building will be occupied by 100 principal

### BIOMEDICAL RESEARCH BUILDING FACTS

- The first floor provides the first new teaching space since construction of the original building in 1967.
- The Biomedical Research Building will result in an 11 percent increase in gross square feet and more than 50 percent increase in research space
- Research grant and contract awards at the Medical Center have been steadily increasing and are expected to increase by more than 50 percent from \$27 million in FY 90-91, to \$42 million in FY 95-96 because of the increased lab space.

investigators, about 50 percent of whom will be new faculty. The \$48 million building contains 254,000 square feet in seven stories, plus one underground floor.

See related lecture story on Page 5

## Elsewhere in Higher Education

**Editor's Note:** Budget cuts and other fiscal constraints are key concerns among higher education institutions in the Association of American Universities, of which Penn State is a member. The following excerpts are from *The Monitor*, a monthly sample of news stories from AAU universities, compiled by the Office of University Relations at Penn State.

■ Several years of cuts in state appropriations and shortfalls in salary funding may mean a number of difficult choices

this year as Rutgers University administrators confront problems that can no longer remain on the back burner. Since 1980 state appropriations have dropped from 68 to 55 percent of Rutgers' general operating budget.

■ The budget proposed by Gov. Pete Wilson in response to the state's worsening fiscal woes could prove devastating to the University of California. Taken with the cuts already sustained over the past three years, the governor's budget presents the system with its

worst budget to date. President Jack Pellason has told the UC Board of Trustees. The governor's spending proposal allocates \$1.7 billion for the University—slightly less than the state gave UC in 1986-87. Since then inflation has risen 32 percent and UC enrollment has grown by 10,000 students.

■ In the future, Ohio State University faculty and staff will deal with some reorganized offices, visitors will pay

more to park, and employees will have one, rather than two, ombudservices offices.

Those and other changes, designed to help balance the 1993 University budget and save additional dollars in the years to come, have been approved by the Board of Trustees to resolve a \$7.5 million shortage.

**AND, IN PENNSYLVANIA:**  
■ Facing a \$3 million deficit,

See "Elsewhere" on Page 10



## Committee on Lesbian, Gay and Bisexual Equity seeks nominations

The Committee on Lesbian, Gay & Bisexual Equity is seeking nominations for membership.

Individuals whose cultural, racial, or ethnic background would enrich the understanding of the needs and concerns of gay, lesbian and bisexual individuals are encouraged to seek nominations. The committee values diversity in its membership and is actively seeking a broad base of nominations.

The committee serves as an advisory group to

the Office of the Vice Provost for Educational Equity on matters affecting the climate for gay, lesbian, and bisexual members of the Penn State community. Its purpose is to enhance a positive working and living environment for all members of the University community regardless of sexual orientation but is especially concerned with policies and structures which negatively impact on lesbian, gay and bisexual people.

The committee's membership includes repre-

sentation from all employee classifications as well as graduate and undergraduate students. Members are appointed by the vice provost to serve three-year terms. Self-nominations are accepted.

Nomination forms must be returned to the committee office, 311 Grange Building, no later than 5 p.m. April 28. Nomination forms may be obtained at the committee office, open 9 a.m. to 5 p.m., Monday through Friday, or by calling 863-7890.

### DIVERSITY OPPORTUNITIES CALENDAR

#### Thursday, April 8

Penn State Harrisburg, 5:15 to 7 p.m., Eastgate Center, 1010 N. Seventh Street, Harrisburg. Gender Issues Lecture Series presentation titled, *Sexism and its Impact on Women, Race and Class*, by Pat Johnson, Penn State Harrisburg professor of humanities and literature. Parking is available underneath the building.

Department of Human Development and Family Studies, 8 p.m., 101 Agricultural Sciences Building. Contemporary scholarship on Lesbian and Gay Lives Speaker Series presentation titled, *The Many Epidemics of AIDS: Queer Evolt and Health Care*, by Scott Tucker, activist, poet, founding member of Philadelphia advocacy organization ACT-UP.

#### Tuesday, April 13

National Association for the Advancement of Colored People, Penn

State chapter, 7 p.m., Paul Robeson Cultural Center. General meeting.

#### Wednesday, April 14

Center for Women Students, noon to 1 p.m., 120 Boucke. Brown Bag Lunch Series discussion titled, *Relationship Violence*, by Lori Gerrett, counselor education graduate student and Center for Women Students graduate assistant.

Paul Robeson Cultural Center, 7 p.m., Inner Visions Film/Discussion Series presentation titled, *Black Men, Mean Streets*.

#### Thursday, April 15

Penn State Harrisburg, 5:15 to 7 p.m., Eastgate Center, 1010 N. Seventh Street, Harrisburg. Gender Issues Lecture Series presentation titled, *Panel Discussion on the Current Backlash Faced by the Movement Against Sexism*. Parking is available underneath the building.

## Author to discuss issues of forthcoming book

David Bradley of Temple University will discuss issues raised in his forthcoming book, *The Bondage Hypothesis: Meditations on Race in America*, at 8 p.m. April 14 in 112 Walker Building on the University Park Campus.

He has written articles about such diverse topics as sports, religion and film, and is author of two critically-acclaimed novels addressing African American race, politics and identity, *South Street* (1975) and *The Chaneysville Incident* (1981), and the recipient of the 1982 PEN/Faulkner award.

The event will provide the University community with a unique opportunity to preview Bradley's contributions to the current discourse on race and race relations. It is sponsored by the Department of English.

## Allentown Campus visited by Minority Scholar

Wilbert J. Roget, associate professor of French and chair of the department of French and Italian at Temple University, will visit the Penn State Allentown Campus on April 14, as part of the Visiting Minority Scholars Program.

Dr. Roget will speak to three classes during the day—Women in the Arts, Masters of Western Literature, and Elementary French. He will meet informally with the campus community over the lunch hour.

He has been a member of the faculty at Temple University since 1978. Prior to his employment at Temple, Dr. Roget taught at Tufts University, Lincoln University, Alcorn College, and Carlow College.

A graduate of Xavier University, he holds a doctorate in French from the University of Pittsburg.

### PENN STATERS

Cheryl Achterberg, director of the Nutrition Center, has been asked by the Food and Agriculture Organization of the United Nations to draft a global strategy for nutrition education for the next 10 to 20 years. Her task—which will take several years to complete—is to develop a plan for nutrition education worldwide, with particular emphasis on developing countries and on communication technologies.

France Cordova, professor and head of the Department of Astronomy and Astrophysics in the Eberly College of Science, has been elected to a three-year term as vice president of the American Astronomical Society. Established in 1899 to promote the advancement of astronomy and closely related branches of science, the AAAS is the major organization of professional astronomers in the United States, Canada, and Mexico.

Carol V. Gay, professor of poultry science and molecular and cell biology, presented a talk on "Parathyroid Hormone Regulation of Avian Osteoclasts" at the Fifth International Avian Endocrinology Conference in Edinburgh, Scotland.

Hector Flores, associate professor of plant pathology and biotechnology, presented a lecture on "Plant Biotechnology Research at Penn State for Biochemistry, Biodiversity, and Non-Traditional Crops" at a Biotechnology Forum at Puerto Rico's InterAmerican University.

Kamal Rashid, director of workshops and international programs at the Biotechnology Institute and affiliate associate professor of molecular and cell biology, discussed "Penn State's Biotechnology Institute: An Overview of the Programs and Activities" at a Biotechnology Forum at Puerto Rico's InterAmerican University.

Herbert S. Siegel, professor of poultry science, spoke on "Housing and Poultry Health" at the 19th World's Poultry Congress in Amsterdam, The Netherlands.

Michael A. Smyer, professor of human development, and Linda M. Burton, associate professor of human development, have been named scientific consultants to the Congressionally-appointed Task Force on Aging Research. The task force is charged with making recommendations to the U.S. Secretary of Health and Human Services about priorities for aging-related research.

Angharad Valdivia, assistant professor of communications, presented a paper titled "Women in Mainstream News" at the Fifth International and Interdisciplinary Women's Congress in San Pedro, Costa Rica. She also presented a report titled "Traditional Women in the New York Times: Gender as a Barrier to Modernity" at the International Studies Association conference in Acapulco, Mexico.

### CAMPAIGN UPDATE

1993  
**MILLION DOLLAR**  
FACULTY STAFF  
*Challenge*

Since July 1992, faculty and staff have committed \$1.71 million in gifts and pledges to various programs University-wide. If Penn State faculty and staff commit at least \$2 million to any program by June 30, alumni Bill and Joan Schreyer will give \$1 million to The Campaign for the Library



## Ryan's post renamed to encompass growing distance education sector

James H. Ryan, vice president of continuing education, has been named vice president and dean for continuing and distance education, President Thomas has announced.

"This renaming of Dr. Ryan's position to dean as well as vice president more closely aligns the Division of Continuing Education with the mission of the academic colleges for outreach activities through teaching and research," Dr. Thomas said.

"And by bringing continuing education closer to the academic mainstream," he added, "it will enable the deans to become better acquainted with an area of huge growth potential for Penn State."

The addition of the "distance education" to Dr. Ryan's title provides visibility for another emerging area of growth—education that occurs when students are located in one place and their teachers, peers, and other instructional resources are located in another.

"Penn State already has established a national leadership role in distance education, but the opportunities are virtually limitless," Dr. Thomas said.

Dr. Ryan has served as vice president for continuing education since March 1990. Previous to that, he served since 1981 as executive officer of the Penn State Wilkes Barre Campus.

"I'm pleased with Dr. Thomas's decision to expand the responsibilities of our Division," Ryan said. "As an academic delivery and support unit, we see this as a logical step in formalizing our relationship with the academic colleges in a way that will create national and international opportunities for them in serving new constituencies."

The decision also places responsibility for coordinating distance education initiatives in a central office.

"There's considerable faculty interest in distance education instruction through the use of computer and video-interactive technologies," Dr. Ryan said. "This new position will allow us to strengthen our support of faculty as they seek significant opportunities for reaching students in exciting new ways within the University at all locations and around the world."



James H. Ryan

## Information technology study group formed

President Thomas has asked David N. Wormley, dean of the College of Engineering, to serve as chair of a study group to develop a plan for the establishment of a telecommunications infrastructure that will serve the needs of the University over the next five years.

Serving on the committee are: J. Gary Augustson, executive director of Computer and Information Systems; B. Alton Brantley, associate professor of medicine and chief information officer and director of the Center for Information Technology at The Hershey Medical Center; Robert E. Dunham, senior vice president and dean of the Commonwealth Educational System; Lamartine F. Hood, dean of the College of Agricultural Sciences; James H. Ryan, vice president and dean for continuing and distance education; Gary C. Schultz, associate vice president for finance; and Richard D. Taylor, Palmer professor of telecommunications studies.

The plan will include provisions for two-way video meetings, classroom instruction and individual conferences involving multi-campus sites as well as computer transfer of data and information. The committee anticipates meeting with representatives from locations throughout the Penn State system to identify clearly the telecommunication needs of the overall University.

The final report will identify both the infrastructure needs and the financial support necessary to implement the plan and will be available early next fall.

### PROMOTIONS

#### Staff

Tina M. Rutherford to senior technician/research at Hershey Medical Center.

Joseph P. Ryan to lead systems programmer at Hershey Medical Center.

Karen E. Smith to clinical dietician I at Hershey Medical Center.

Marilyn E. Valentine to patient care assistant A at Hershey Medical Center.

Patricia A. White to administrative assistant II at Harrisburg.

Greg M. Young to technician/research at Hershey Medical Center.

#### Technical Service

Raymond A. Clouser to equipment operator in Office of Physical Plant.

Elmer J. Fry to coal and ash equipment operator in Office of Physical Plant.

Penny S. Garner to patient care assistant A at Hershey Medical Center.

Jeffrey L. Gensimore to equipment operator in Office of Physical Plant.

Evelyn M. Grubb to orthopedic technician at Hershey Medical Center.

Mark S. Gwinn to senior instrument processing aide at Hershey Medical Center.

John G. Keller to patient care assistant A at Hershey Medical Center.

## Math scholar at Penn State Harrisburg

A Chinese math scholar has selected Cambridge, England and Penn State Harrisburg, as locations to conduct comparative research on ancient mathematics between China and other nations.

Liu Jiemian, a teacher in the Department of Mathematics at Beijing Normal University, spent six months at The Needham Research Institute in Cambridge before coming to Penn State Harrisburg to study with noted Chinese mathematics historian, Frank Swetz, professor of mathematics and education. The two met at a history of mathematics and science conference held in Mongolia in 1991.

Following the conference, an opportunity opened for Professor Liu to study abroad. Through The Li Foundation, Inc., Long Island, NY, he received a grant that allowed him to study the history of Chinese mathematics in England and in the United States.

While at Penn State Harrisburg, Professor Liu has been able to access resources that are unavailable in China. Through the library retrieval system, he is utilizing books, articles and journals as research tools for the book he is writing on the history of mathematics in China and in the West.

Professor Liu will complete his research at Penn State Harrisburg on April 15. After that, he will return to Beijing, China.

## FAST FACTS

### Holdings of Research Libraries in the Big Ten 1991 - 1992

University Libraries							
	Big Ten Rank	National Rank	Volumes in library	Volumes added	Current serials	Permanent staff	Total expenditures
Illinois—Urbana	1	6	8,096,040	177,210	91,011	387	20,007,495
Michigan	2	11	6,598,574	129,997	69,745	420	25,519,992
Wisconsin	3	13	5,317,380	117,512	48,699	353	23,550,266
Indiana	4	14	5,264,138	177,034	39,775	325	20,321,371
Minnesota	5	15	4,908,982	161,779	43,478	310	22,661,654
PENN STATE	6	18	3,318,118	152,383	33,177	373	19,181,169
Ohio State	7	21	4,603,310	106,051	32,381	328	17,309,387
Northwestern	8	30	3,607,533	88,999	37,412	240	14,446,576
Iowa	9	38	3,253,141	84,924	33,112	203	12,417,991
Michigan State	10	43	2,860,874	81,612	28,180	182	12,068,065
Purdue	11	65	2,022,781	66,375	16,357	207	10,372,665

Penn State ranks in the middle of the group in a comparison of libraries among Big Ten institutions. Nationally, Penn State ranks 18th among research libraries. The data for Penn State include figures for all campus library locations. Consistent with a program to strengthen the University's libraries, they were not subject to budget reductions that followed a reduction in the state appropriation.

Source: Association of Research Libraries

# School of Nursing to mark 25th anniversary

The School of Nursing is celebrating its 25th anniversary with a gala celebration on Saturday, April 17. The gala is the culmination of celebrations that have been taking place throughout Pennsylvania during the past year.

The April 17 schedule includes lectures about the school's beginnings and the evolution of its programs. Among the speakers are former heads of the program as well as President Thomas. The day will end with a banquet and awards ceremony

honoring distinguished nursing alumni.

Other events held throughout the Commonwealth during the past year included continuing education programs, reunions, and a day devoted to discussing nursing research.

The School of Nursing, part of the College of Health and Human Development, got its start in Pittsburgh in the mid-1960s, when Penn State began a cooperative educational program with Allegheny General Hospital. The first class—a

total of four students—graduated in 1967.

The program moved to University Park in 1972. Today the nursing school has more than 4,000 alumni, including 250 master's degree graduates.

Since 1973 Penn State also has offered an extended-degree program, which makes a bachelor's degree available to registered nurses whose previous training was from a diploma school or associate degree program. Offered at locations throughout the

Commonwealth, the program enables nurses to pursue the degree without leaving their job or family responsibilities.

The School of Nursing also offers an associate degree, as well as a number of continuing education programs for registered nurses.

More information about the gala celebration is available from the School of Nursing at University Park, (814) 863-0245.

## NEWS IN BRIEF

### Enhancement program

The Individual and Family Consultation Center will offer a couples enhancement program May 1-2 at the University Park Campus.

The program, called "Relationship Enhancement," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs, and opinion.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is \$25 for an individual and \$200 for a couple. For further information or to enroll, call the Individual and Family Consultation Center at (814) 865-1751.

### Subjects sought

Infants aged 10 to 13 months are sought for a study on the physiological effects of visual stimulation. There is \$10.00 compensation for participation.

Call Suzanne Weinstein-Dance, 237-1808, or Robert Stern, 865-1712.

### Educational Office Professionals

Richard Brown, acting manager, Human Resources Development Center, and Tom Hall, acting manager, Salary Administration, will speak at a meeting of the Penn State Chapter of Educational Office Professionals at 12:10 p.m. today in 305 HUB at University Park.

The subject of this special topic meeting is: "Spec Evaluation System: Merit-Based Pay Increases."

The Penn State Chapter of Educational Office Professionals is a professional organization whose membership consists of faculty, staff, and technical services. The Penn State Chapter is affiliated with the Pennsylvania Association of Educational Secretaries and the National Association of Educational Office Professionals. All PESOP special topic meetings are open to the public.

### "Tacos and Taxes" party

On Thursday, April 15, the Faculty Staff Club will sponsor a "Tacos and Taxes" get-together to celebrate the end of tax season. It will be from 5 to 7 p.m. in the Assembly Room of the Nittany Lion Inn.

The cost will be \$4.99 for Club members and their guests. This event will be the last "Third Thursday" sponsored by the Club for this academic year. Third Thursdays were established by the Club as a way for faculty and staff to socialize and network.

Those planning to attend the event should purchase tickets at the cashier's station in the Inn dining room before proceeding to the Assembly Room. Club members should pay for themselves and their guests with their faculty staff ID's. Members should make sure they have sufficient funds in their Faculty Staff Club accounts before each event. Additional funds can be added to an account by presenting a

check (include your social security #) to the Faculty Staff Club (attn: Dave Rose), Housing and Food Service Building.

Questions about this event or the Club can be referred to Sandy Edwards (863-4012, ske2@psuad-min) or Sally Kalin (865-0672, swk@psuals).

### Workplace Trends

The Center for Adult Learner Services is sponsoring a program for adult learners titled "Future Trends in the Workplace" at noon Wednesday, April 14, in 424 Boucke Building on the University Park Campus.

The program will focus on discussion of job trends in the 90's; overview of family leave policies, and overview of job sharing and flex time.

Currently enrolled or prospective students who are interested in attending or would like further information, may contact the Center for Adult Learner Services at 863-3887 or stop by 323 Boucke.

### Satellite videoconference

A live satellite videoconference titled "Successfully Employing People with Disabilities" is scheduled from 1 to 4 p.m. Wednesday, April 14, in Rooms 402-3 Keller Building, University Park. There will be a brief question and answer period following the videoconference.

The seminar, offered to all University employees at no charge, will address hiring and supervising people with disabilities and facility accessibility. It is designed for anyone in the human resources field as well as for those who are interested in learning more about the Americans with Disabilities Act adopted last July.

The seminar is sponsored by the Affirmative Action Office, Human Resource Development Center, Office of Human Resources and the Office for Disability Services. To register, please call 865-3410.

### International conference

An international conference on "Analysis of Categorical Data in Developmental Research" will be held May 10-12 at the Keller Conference Center on the University Park Campus.

Co-organizers of the conference, which will cover measurement theory, statistical models and methods, and computational models, are Alexander von Eye, professor of human development and psychology, and Clifford C. Clogg, distinguished professor of sociology and professor of statistics.

Conference participants will represent universities throughout the United States and Europe. Invited and contributed papers will be presented. Observers are welcome.

For more information, contact Dr. von Eye, S-211 Henderson Building, (814) 865-3523, or Dr. Clogg, 6 Burrows Building, (814) 865-6802.

## FACULTY / STAFF ALERTS

### SERS

Annual retirement account statements are being distributed to faculty and staff members who belong to the State Employees' Retirement System (SERS). These statements provide information about retirement accounts as of Dec 31.

Many of the statements contain either current retirement estimates (as of the end of last year) and/or projected retirement estimates to normal retirement age. The member's age, years of service and proximity to the normal retirement date determine the type of estimate(s) which are provided.

Faculty and staff members with questions about retirement account statements should contact the State Employees' Retirement System Regional Counseling Center listed on the member's statement.

### Courses for faculty and staff

The Human Resources Development Center has openings in the following courses. Call the center at 865-3410 for registration information.

**FINE TUNE YOUR "PEOPLE SKILLS" — SUPERVISORY MANAGEMENT II** — Focuses on interpersonal skills. It emphasizes communication abilities and works to improve those management skills by using an effective technique known as behavior modeling. Meets April 14-May 7 at 9 a.m. in 319 Rider; cost: \$230 for entire series. For information on individual sessions, contact the Human Resource Development Center.

**FACILITATION TRAINING I** — Designed for those interested in facilitating CQI teams. Prerequisite of CQI Overview. Meets on April 12, 9 a.m. to 4 p.m., 319 Rider; cost: none.

**UNDERSTANDING AND VALUING DIVERSITY** — Incorporates theory and practical skills designed to increase your awareness of personal values related to minority groups and improve your interactions with culturally diverse individuals, including colleagues in your work area. Meets April 19, 9 a.m. to 4 p.m., 319 Rider; cost: none.

**EMPLOYEE INTERVIEWS** — Designed to provide practical training and pointers to individuals who are called upon to interview applicants for employment vacancies. Meets April 21, 1:30 to 4:15 p.m., cost: none.

**THE SEVEN HABITS OF HIGHLY EFFECTIVE PEOPLE (NEW)** — Examine the habits and strategies of high achievers and learn to integrate their strategies into your life. Meets April 22 and 27, 1:15 to 5 p.m., 319 Rider; cost: none.

**DATA-BASED DECISION MAKING FOR PROCESS IMPROVEMENT** — Understand the statistical process control tools used with CQI. Prerequisite of CQI Overview. Meets April 27, 9 a.m. to 4 p.m. in 506 Keller Conference Center; cost: none.

SPECIAL RECOGNITION

# Award for administrative excellence goes to finance v.p.

Steve A. Garban, senior vice president for finance and operations and treasurer, has received the John E. Wilkinson Award for Administrative Excellence.

The John E. Wilkinson Award was established in 1970 by friends of Mr. Wilkinson, a life-long Centre County businessman. The award is made annually to a member of the Penn State staff whose performance, methods and achievement exemplify administrative excellence.

Mr. Garban joined Penn State in 1961 as the assistant business manager of athletics. Since then, he has served in many administrative positions, including vice president and controller, controller and staff assistant to the senior vice president for finance and operations/treasurer; deputy controller; and coordinator of accounting.

He also serves as Penn State's primary representative to the National Association of College and University Business Officers.

Among his major accomplishments, Mr.

Garban has been involved in the development of The Milton S. Hershey Medical Center since the early 1970s and the development of an intercollegiate athletics program that is a national model. He also has guided the largest capital building program in Penn State's history.

During his tenure, the University's budget grew from \$175 million to \$1.5 billion, today encompassing 23 campuses, including a medical college and a major hospital.

His responsibilities span a wide range of areas: accounting, investments, construction, budgeting, human resources, transportation, physical plant maintenance and operation, and auxiliary enterprises. Mr. Garban also was active in governmental relations, fund raising and academic planning.

He graduated from Penn State in 1959 with a B.S. in business administration. He was captain of the football team, vice president of the Undergraduate Student Government and a member of Lion's Paw and various honor societies.

Mr. Garban is a member of the board of directors and treasurer of Pennsylvania Re-search Corporation and the Corporation for Penn State. He is listed in *Who's Who in American Education* and *Who's Who in Finance and Industry*.

He also is a past member of the board of the Centre Community Hospital and The Smeal

College of Business Administration Alumni Association and the Penn State Quarterback Club.



Steve A. Garban

# Administrative aide earns first Staff Excellence Award

Kathryn "Kathy" C. Itinger, administrative aide in the Department of Comparative Literature, received the first Staff Excellence Award during the annual Academic Awards Convocation held in March.

The new award recognizes the outstanding performance of staff members who have demonstrated and practiced the philosophy of continuous quality improvement, team spirit and managerial excellence for the benefit of their units and the University. The award also recognizes leadership provided in the establishment of a quality service orientation and consists of a \$500 stipend and certificate.

Ms. Itinger is senior staff member with the Department of Comparative Literature in the College of the Liberal Arts, having worked there

since 1985. Before being promoted to administrative aide to the department head, she was a secretary with the department and earlier had worked in the Office of Student Aid.

She is chair-elect of the Professional Women at Penn State organization and serves on the group's Coordinating Council.

Ms. Itinger is actively involved in several Continuous Quality



Kathy C. Itinger

Improvement (CQI) implementation projects for her department, including the creation of an inventory of graduate student performance and of methods to enhance the quality of graduate student admissions and recruitment. She is now taking a CQI course through Human Resources Development in order to qualify as a CQI Facilitator for the University.

Those who nominated her for the award praise her problem-solving approach, computer skills, phenomenal memory, and interest in serving the needs of faculty and of students. For example, she has organized a departmental computer support group, sits on a committee which is addressing graduate student insurance issues, and is formulating a possible mentoring program for staff employees in the college.

# Learn the inside story at the CQI Team Fair on April 20

If you've always wondered what goes on in a Continuous Quality Improvement Team, now's your chance to find out. Penn State's CQI Center is sponsoring a CQI Team Fair from 11 a.m. to 3 p.m. Tuesday, April 20, in the HUB Ballroom at University Park.

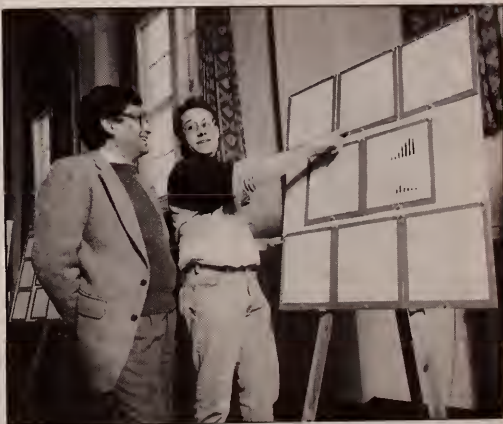
"With 60 separate CQI teams now in various stages of development and analysis, we felt a fair would be a good way for teams to share information and for the University community to learn what the process entails," said Louise Sandmeyer, executive director of the University's CQI Center. The University community and the public are encouraged to attend.

Teams are encouraged to display flowcharts of the processes under study, cause and effect diagrams on problems they are trying to solve, and have other background information available on the processes they are examining.

Among the teams that will have displays and team members on hand to answer questions are several that have completed their study and are now implementing changes, including The Smeal College of Business Administration team to improve the undergraduate advising program, a General Stores team to improve delivery time to the Commonwealth Campuses and a student orientation team at Penn State Harrisburg.

Visitors will find information on problem-solving tools and process improvement models as well as team formation, roles of individuals within a team, benefits of teamwork and the CQI approach. The center also will have information on training and educational support for CQI.

For more information, contact Ms. Sandmeyer at (814) 863-8721.



The Undergraduate Research Fair, now in its second year, attracted twice as many entries as last year. Shown here are participant James P. Smith (right) from the Hazleton Campus, with his faculty adviser, Shrikisha Singh, associate professor of chemistry. The fair, held April 3 at University Park, was sponsored by the University Scholars Student Advisory Committee and the USG Academic Assembly, with support from the Office of Undergraduate Education. Photo: Greg Grieco

# Arts

## Continued from Page 6

Services. Sue's mother-in-law, Delores Bracken, and other family members helped to complete the quilt that includes fabric pieces from Delores' grandmother.

Lynne Branche-Brown, acquisition librarian contributed 13 quilts to the exhibition with designs ranging from Amish to Christmas. She began quilting in 1981 and has taught several classes in the Midwest. She also was active in quilting guilds in Massachusetts where she lived in the late 1980's.

Wes Loder, head librarian at the Penn State Schuylkill Campus Library, and his wife Linda, business manager of Hawk Mountain Sanctuary Association, contributed their quilt "Sailor's Race" to the exhibition. The quilt was completed in 1976 in an original nautical theme utilizing two piece patchwork blocks. Each sail has a different quilted pattern.

### Kern exhibit

"Two Women-Inn Connections" is the title of the exhibit being held in the Kern Commons Gallery at University Park during April.

The recent watercolor paintings of Marlee Erwin will be presented together with the poetry and prose of Dawn Erwin Fisher. The two women, mother and daughter, jointly celebrate the feminine intuition that flows from a connective creative source to bring forth color and form, word and meaning.

Ms. Erwin's flower representations are used as symbols meant to transform the eye-mind mechanism and reveal the harmony of the spiritual in nature. She hopes to challenge the viewer to see a reality that is often missed — the reality of the bold, natural and sometimes mysterious relationship and present in natural phenomena.

Ms. Erwin is a State College artist and an accredited member of the Pennsylvania Watercolor Society and the Central Pennsylvania Art Alliance.

Dawn Erwin Fisher lives on Oak Island, off the coast of North Carolina. A State College native and a graduate of Penn State, she is a writer, musician and teacher who finds creative nourishment in the sound of wind and water, clouds over the Blue Ridge, birdsongs and the smiles of children.

### Odyssey on WPSU

The espionage novels of Len Deighton spark a discussion of the prospects for "morality in a world in which it is impossible to trust anyone" on the next Odyssey Through Literature broadcast.

On "The Spy on the Wall," Leonard Rubinstein's guest is Jurgen Kamm, a professor of comparative literature at the Bergische Universität in Wuppertal, Germany.

Professor Kamm, who has studied Deighton's use of the Berlin Wall, notes: "The more information you've got, the better you are suited to cope with a situation, so people are very unwilling to part with information.

The idea of withholding information gives you the better position, it seems. That's what you learn from Deighton: Gather as much information as you can, and impart as little as you may. That is the morality of the late 20th century."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSU-TV. Lists Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### "Behind the Scenes"

"Behind The Scenes," an exhibition of Penn State theater arts students' works, is being held in Pattee Library's West Lobby Gallery through April 30.

The exhibition is sponsored by the Arts and Architecture Undergraduate Student Council as part of its annual education series to highlight visual arts on campus. The collection of works represents the stage designs from students in costuming, scenic/art design, and lighting.

### ARTS AT . . .

#### Ogontz Campus

"Three Postcards," a musical play by writer Craig Lucas (Reckless, Prelude to a Kiss, and the film, Longtime Companion) and composer Craig Carnelia (Is There Life After High School? and Working) will be performed by Blue Window Theater at the Penn State Ogontz Campus Friday and Saturday, April 23 and 24.

A modern day fairy tale which explores the ups and downs in the lives of three women friends—Big Jane, Little Jane, and K.C.—who meet for dinner, the play blends seemingly casual dialogue, witty lyrics, and music to reveal the inner life of its characters.

The Blue Window Theater Company is an ensemble group of actors who have trained together and developed a style of their own - with the intent to reveal as well as entertain. Their production of Three Postcards was read acclaimed throughout the Delaware Valley and in Edinburgh, Scotland, where they performed it at the city-wide Festival Fringe.

#### Hazleton Campus

Prize-winning photos from the 1992 Outdoor Writers Association of America will be on display in the library of the Penn State Hazleton Campus during April.

The black-and-white and color photos showcase the outdoor world, from the beauty of the Grand Canyon to the action of a Columbia ground squirrel in flight.

The photo exhibit covers five categories: scenic, flora, people, action, and fauna. Among this year's winners are well-known professional wildlife and nature photographers from Colorado, Alaska, Montana and Wyoming.

## MICROCOMPUTER ORDER CENTER ACTIVITIES

### CCI study

An eight member team has been assembled to begin a Continuous Quality Improvement study of the Microcomputer Order Center. The goal of this study will be outstanding customer services. All team members are confident this goal will be met, and management has pledged its support. In the future, the team will be conducting interviews and surveys. We encourage you to participate when asked. Your knowledge and experiences are valuable.

### Back-order notification system

When a product is not currently in stock, the Microcomputer Order Center will mail a back-order notification form to our IDT customers. A recovery date for the order is listed on the notification. If items arrive sooner than this date, they will be delivered immediately. It is our hope to have your order delivered in full no later than the stated recovery date. Should some items take longer to arrive, you will receive a revised notice.

### IDT deadlines

All equipment and software ordered on interdepartmental Transfers (IDTs) must be delivered to the department by the Microcomputer Order Center by June 30. No exceptions. This delivery date is necessary to ensure that all accounts are accurately charged on their respective 92/93 budget. According to federal law, the Microcomputer Order Center cannot charge any budgets for equipment or software prior to the actual delivery date.

Departments should send IDTs to the Microcomputer Order Center no later than May 29, for items to be charged on the department's 92/93 budget. This does not guarantee delivery by June 30, due to variances

in vendor availability so we recommend IDTs should be sent in as soon as possible.

The Microcomputer Order Center will continue to accept IDTs after May 29. However, any IDTs containing items that are not deliverable by June 30, will be returned to the originating department for a revised 93/94 budget number.

For any item not currently in stock, a 10 percent non-refundable deposit will be accepted in lieu of payment in full. The balance is due within 10 working days after receipt and notification of your order.

And a reminder: All CPU purchase orders must include word processing software.

For pricing and availability information, call the Microcomputer Order Center at (814) 865-2100 or stop by 12 Willard Building, University Park.

### NeXT Computers

NeXT announced this February that it will be discontinuing its line of computer hardware and will focus the company on software products. Because of this decision, the Microcomputer Order Center is no longer accepting orders for NeXT products.

### Digital Equipment Corporation added

The Microcomputer Order Center has added Digital Equipment Corporation to its list of vendors as of March 1993. Digital's lines of laptops, PCs, and smaller workstations will be available. Digital PCs offer alternative DOS solutions, and the workstations, already in heavy use at Penn State, will expand the line of high-end products at the Microcomputer Order Center. Price lists will be available in early April.

## Elsewhere

### Continued from Page 1

Chatham College has announced plans to cut expenses, including jobs in some departments, while positioning itself to expand in other academic areas. The Board of Trustees has endorsed a plan that outlines immediate reductions in faculty and staff while calling for initiatives aimed at building its strongest academic areas, boosting enrollment and increasing revenue. Seven administrators, one full-time faculty member and four half-time faculty members will be furloughed at the end of the school year.

■ Presidents and budget administrators at many of Pennsylvania's 14 state universities are scrambling to cover budget shortfalls, and the prospect of layoffs has been raised at some schools:

Claring University plans to head off a projected \$2.7 million budget deficit by cutting staff positions and student jobs. Ronald J. Wilshire, interim vice president for advancement, said 20 of 49 vacant faculty positions would be eliminated by the end of this semester. In addition, eight current non-faculty employees will be furloughed when their positions are cut within the next two weeks.

Layoffs are not being considered at Indiana University of Pennsylvania, where a \$10 million deficit was Lawrence Pettit's top problem when he became president in August. He said the shortfall has since been reduced to \$700,000, but the University had to move \$3 million out of a reserve fund to help. The cuts have drawn some criticism from faculty members.



# Blooming business!

## Researchers work to improve fruits and flowers



# Focus on Research

Intercom  
April 8, 1993

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Although ethylene is a growth regulator manufactured naturally by plants, it is also produced when petroleum fuels combust. As a byproduct, ethylene is often found in the exhaust emissions of diesel trucks. During shipment, many floral and fruit varieties succumb to the gas, which promotes the wilting of flowers, loss of petals, and ripening of fruit. While some flowers, like geraniums, merely lose petals, others wilt and die from their exposure to ethylene. Climacteric fruit - like apples, pears, bananas, avocados and tomatoes - ripen quicker, while non-climacteric fruit - mostly citrus varieties - merely undergo a color change.

By extracting genetic information from highly sensitive geraniums, Dr. Evensen and Mr. Clark are attempting to determine which gene or set of genes is "turned on" by the presence of ethylene. The researchers believe a chemical message encoded by the gene - called messenger RNA - tells the plant to release proteins into its cell walls whenever ethylene is present. In turn, the proteins begin to digest the cell walls and weaken them, causing petal or leaf drop. In fruit, ethylene causes color change, softening, changes in flavor and aroma, and is responsible for the loss of acidity and astringency.

"Ethylene causes these reactions but only seems to affect certain cells. In flowers, it affects the cells that join the petal to the flower pistil," Dr. Evensen explained. "All the plant's cells don't fall apart. Only the ones holding the petals in place. In that base area where these target cells are located, gene expression is being specifically and precisely controlled."

By pinpointing the genetic sequence that controls petal drop, Dr. Evensen believes researchers can lay the foundation for controlling gene expression that will help flower breeders develop plant varieties that hold their petals longer.

For fruit growers, finding a precise control that induces fruit ripening could lead to better fruit, reduced losses during storage and shipping, and increased availability of more out-of-season varieties. Some companies are already working on fruit with changed ripening patterns, according to Dr. Evensen, who said tomatoes that ripen further on the vine are tastier but are more susceptible to bruising and rot. Changing the ripening pattern might yield tomatoes with the flavor and aroma of vine-ripened fruit - a consumer demand - but provide a product firm enough to withstand shipping.

There are currently compounds available to inhibit plant reaction to ethylene, but Dr. Evensen said these methods may not be as environmentally sound as genetically altering plants.

"Once we build a library of ethylene-induced genes in geraniums, we can compare these gene findings to other findings in various species and work on improving more commodities," she said.

— Lisa M. Rosellini

Penn State researchers are laying the groundwork to genetically manipulate plants that produce longer lasting flowers and faster ripening fruit.

"We're trying to discover the exact mechanism causing petal drop in an effort to control a problem that has plagued the floral industry for decades," said Kathleen Evensen, associate professor of postharvest physiology.

In addition, the work could lead to a decrease in the amount of fruit infected by wilted, rotting blossoms that remain attached to the developing fruit, and may provide the groundwork for a method to control fruit ripening before or during shipment.

As part of a five-year study, Dr. Evensen and graduate student David Clark are investigating the effects of ethylene on geraniums. Ethylene is a gas that causes petals and leaves to fall from plants. It is also used by growers to hasten ripening of harvested fruits, especially bananas, pears and green tomatoes. But little is known about how ethylene causes these responses.

"Most flowers are sensitive to ethylene, but geraniums are extremely sensitive and drop their petals much more quickly than other varieties," Dr. Evensen said. "A geranium may drop petals within an hour after being treated with ethylene. This is an extremely rapid plant response considering how many biological reactions must occur before a petal or leaf drops."



David Clark, graduate student, and Kathleen Evensen

Photos: Greg Grieco

## Highlight on Undergraduate Education

# A real '90s kind of guy

## This journalism professor is an electronic adviser

When Julie Eward wanted to make sure everything was lined up for graduation, she checked with her adviser. But when she realized that her schedule and his office hours didn't coincide—a common problem, students say—she didn't panic. Instead, she went to a computer lab on campus and sent her adviser an electronic message (e-mail for short). Her adviser, in turn, sent the message to the School's Office of Student Services and within a few days, Julie, a senior journalism major, had her answer.

### E-mail gives Professor Berner greater access to students.

a note via e-mail.

What Julie and Gabi have in common is that their adviser is R. Thomas Berner, professor of journalism, who got computer accounts for his advisees. He has been advising students since 1975 the old-fashioned way in addition to electronically the past academic year.

Professor Berner says he got the idea for becoming an electronic adviser from faculty members who use the mainframe to establish instructional accounts.

"I knew I could get an account for a particular course," he said. "So why not my advisees?"

No problem. Daniel L. Bemitt, senior research associate in the Center for Academic Computing, helped him set up the account. Professor Berner then sent all 30 of his advisees a letter telling them to stop by his office and pick up information on their user identifications and confidential passwords.

Senior Julie Eward was one of the first. And junior Gabi Haas, who was close behind, reported, "This system is not only a great way to contact advisers at any hour and location, but it also is a great introduction to the vast computer technology available to us now."

As an incentive to get his advisees using the mainframe, Professor Berner agreed to post information on job vacancies, internships, and school speakers. "Sometimes students miss this information when it's announced in class or they just might not be taking communications courses a particular semester. So I figured that if I offered them something in addition to routine advising, they'd bite."

In addition to extending his availability to students beyond his office in Carnegie Building, Professor Berner has been able to get information to advisees that otherwise would not reach them quickly. For instance, he says e-mail has given him greater access to his students outside of office and class. In fact, one of his advisees spent spring semester in Manchester, England, and he routinely corresponded with her via e-mail.

Is there a downside?

"Well, yes," he said, "it seems that in this age of instant gratification, some students expect you to solve a problem or answer a question in minutes. One student actually sent me a note on New Year's Eve and then followed up with a note on New Year's Day asking me what the answer was. I told her that the University was closed and so I couldn't get her an answer for a couple of days."

She understood.

Professor Berner also notes that, since the mainframe has become so popular, some days it's difficult signing on via his home computer and so he can get behind in answering questions



R. Thomas Berner, the electronic adviser.

from advisees and students in his classes. Sometimes he finds himself advising on weekends—electronically.

He reports that faculty members in other colleges are using the mainframe in many creative ways to benefit students and he stresses that advising via computer does not replace the personal contact, but rather supports it.

"You can't solve some problems via e-mail," he said. "But I can make an appointment with the student via e-mail, and we can get to solving the problem a lot faster than if the student had to track me down by other means."

And what does Julie Eward think of electronic advising? "I think it was one of the best opportunities I was exposed to at Penn State."

—Christine Templeton

## BOOK



## SHELF

J.J. O'Connell, senior producer at WPSX-TV and affiliate assistant professor in the School of Communications, is the author of *Robert Drew and the Development of Cinema Verite in America*.

The book chronicles the career of Robert Drew, who was a leader in developing the techniques we know today as "cinema verite" or documentary film. He also is responsible for the initial development of mobile equipment that allows crews to shoot on location with more mobility and freedom.

"Drew has influenced the work of everybody in documentary from 1960 on—from the equipment to format development," Dr. O'Connell said. He cites such documentary greats as Fred Wiseman and Richard Leacock as being directly influenced by Drew.

Drew's first film, *Primary*, documented the 1960 Wisconsin Democratic primary election. This forty-minute magazine-style show broke the rigid boundaries set by television journalism and made audience members feel as if they were personally involved in the events on film.

Because Dr. O'Connell describes Drew as "...not terribly interested in being written about or analyzed," the book is a service to documentary history. *Robert Drew and the Development of Cinema Verite* also contains an appendix with observations by Drew and filmmaker Richard Leacock.

Dr. O'Connell joined WPSX-TV in 1967 as a production coordinator. He is now the executive producer of the Rural American Documentary Project (RADOC) specials that depict the daily lives and activities of rural Pennsylvanians.

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April 8, 1993  
Vol. 22, No. 27

## PENNSTATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

April 15, 1993

Volume 22, Number 28

## Research Park stays on schedule

In a topping-out ceremony on Wednesday, April 14 for all three phase-one buildings — comprising nearly 350,000 square feet of office, laboratory, hotel and conference facilities — Penn State's Research Park marked another milestone toward completion.

About 125 business, community and University leaders attended the ceremony that traditionally marks the completion of a building's steel substructure. In this case, however, the ceremony also marked substantial progress toward closing-in two of the three core buildings despite severe winter storms that delayed the topping-out ceremony first scheduled for January.

David Shirley, president of the Research Park Management Co. and senior vice president for research and dean of The Graduate School, gave an update on the Research Park Construction.

The 53,000-square-foot technology center that will house the offices of the Penn State Economic Development System and a business incubator run by the Centre County Industrial Development, is expected to be ready for occupancy in October, and the 240,000-square-foot conference center and hotel will be ready in early 1994. The 50,000-square-foot research laboratory that will house University research pro-

**What is a topping-out ceremony? Where did it originate? Dr. Thomas provides the answers on Page 3.**



See "Park" on Page 3



**Mechanical quarterback** Students in a mechanical engineering design course make ready their football throwing machine inside the Holuba Hall indoor practice facility on the University Park Campus. Some 60 students in 10 design teams developed machines that had to propel a regulation NCAA football between 10 and 50 yards in trajectories approximating game conditions, at the rate of one per minute. Photo: James Collins

## Grant renewed to expand minority programs

The University has received a \$373,000 grant to maintain and expand programs to increase the retention and graduation rates of African/Black American and Latino/Hispanic students who are majoring in math, science agriculture and engineering.

The William Penn Foundation grant renewal will help fund for an additional two years programs that were established, in part, by a previous \$360,000 William Penn grant awarded to Penn State in 1990. Funds from the new grant will be combined with University funds to help maintain and expand programs in the colleges of Science, Engineering, Agricultural Sciences and Earth and Mineral Sciences.

"We were awarded a significant grant-extension amount because of the clear success of the programs established with the help of the previous William Penn Foundation award," Howard E. Wray III, assistant dean for undergraduate education/academic assistance programs, said.

"Some of those programs include assembling smaller and more individualized undergraduate classes, providing tutorial services, student summer research programs with faculty and pre-freshman engineering and science summer programs," Dr. Wray said.

Nationwide, African/Black Americans account for approximately 25 percent of all scientists and engineers. In comparison, African Americans represent 12 percent of the U.S. population, 10 percent of the total U.S. employment and approximately 7 percent of all employed professional and related workers.

Latino/Hispanics, the fastest growing racial minority group, account for 9 percent of the U.S. population, 7 percent of U.S. employment, 3 percent of those in professional and related jobs, and only 1.8 percent of all engineers and scientists.

"At Penn State, more effective recruitment, instructional support and a more enriched learning environment can be achieved thanks to the William Penn Foundation. This new grant will allow us to build on the significant momentum we started two years ago," C. Gregory Knight, vice provost and dean for undergraduate education, said.

"The renewal of this grant is a great way to increase and enhance recruitment and retention of African American and Latino students in these majors because they can be assured of a supportive environment where they can receive special attention, should they need it," said Daniel C. Davis, director of the minority engineering program and associate professor of engineering, science and mechanics. William Penn grant activities at Penn State are co-directed by Dr. Davis and

See "Grant" on Page 2

## DuBois chief executive officer Hartman dies

Donald Terry Hartman, campus executive officer at the Penn State DuBois Campus, died early this week.

Dr. Hartman joined Penn State as CEO in the fall of 1990, coming from the University of Charleston, WV, where he served as vice president for academic affairs.

"This is a tremendous loss for Penn State DuBois and the entire Penn State family," commented Robert Dunham, senior vice president and dean of the Commonwealth Educational System.

"Terry has been doing some very exciting things at DuBois since his arrival. He was beginning to move the campus forward on several important fronts and he has been an effective colleague, serving on a number of University-wide committees.

"Our sympathy goes out to his wife, Sue, and his children, and to everyone at Penn State DuBois and in the local community who have had a chance to meet and work with him."

Prior to his position at the University of Charleston, Dr. Hartman served as vice president and dean for academic affairs at

Juniata College in Huntington from 1977 to 1984, dean of student services from 1975 to 1977 and associate academic dean from 1971-76.

A native of Lebanon, Pa., Dr. Hartman received his A.B. degree in philosophy and English literature, magna cum laude, from Albright College in Reading, and M.A. and Ph.D. in contemporary analytical philosophy, both from the University of Michigan.

He had been an American Council of Education Fellow and a National Science Foundation Fellow.

# University gains valuable women's history collection

## Three decades of memorabilia to be housed in library at Penn State Harrisburg

The history of women will always have a special place at Penn State, thanks to the generosity of a Camp Hill woman.

Alice Kahler Marshall has donated her private archives on women's history—the result of more than three decades of work—to Penn State. The collection, valued at nearly \$300,000 and thought to be the most extensive private compilation on this subject in the nation, will be housed in the library at Penn State Harrisburg.

"We're excited to have these important archives here in the state's capital, and are exploring numerous ways the material can be incorporated into teaching and research in each of our schools and divisions," Ruth Leventhal, provost and dean, Penn State Harrisburg, said. "The collection also augments our mission of service to the people of Pennsylvania, and we are grateful to Alice Marshall for her generosity."

The collection—which contains material covering four centuries with a major focus on events and issues in the 19th century—provides insight into women immigrants, women in the early labor movement, anti-slavery, suffrage and temperance movements, women in education, law, medicine, politics, religion, sports and war.

"I never started out to collect women's memorabilia; it just gradually happened," Ms. Marshall said.

"My fantasy as a child was to be a patron of the arts, but I never had the money. I've been a collector of old books, prints and newspapers for more than 50 years. I think one reason I started to collect women's memorabilia was because not many people were, and a lot of our history was being lost or thrown away.

"Charles Townley (former librarian at Penn State Harrisburg) saw the potential in this collection and really put the thought in my mind about giving it to Penn State. I wanted to make sure the whole collection was kept together, and I like the idea of it being in the state capital.

The gift includes more than 6,000 books and hundreds of pamphlets, broadsides, buttons, postcards, posters, newspapers (some more than 300 years old), magazines and games. There also are several hundred letters, cut signatures, cabinet photos and manuscript poems from prominent American and English women of letters, as well as political figures from the 18th, 19th and 20th centuries.

"While Penn State is one of nearly 2,000 colleges, universities and schools offering courses in women's studies," said Nancy Cline, dean of the University Libraries, "this collection will greatly enhance our resources in this area. We're thrilled Alice Marshall has chosen to place her collection with Penn State, for I am sure it will be eagerly sought by journalists, scholars and students of women's history from across the country."

Ms. Marshall attended George Washington University and worked on the Washington Post before joining the intelligence branch of the 2nd Air Force in World War II. After raising four children, she

returned to the work force as editor of a psychiatric quarterly. Subsequently, she was the first public relations director of the Pennsylvania Department of State and executive assistant to the secretary of state, deputy press secretary for the Pennsylvania Department of Commerce, senior research analyst for the state House of Representatives, and a speech writer during the turbulent 1960s and 1970s for several political figures.

She is the author of the recently reprinted reference work *Penn Nannies of Women Writers*, and numerous articles. She currently is at work on a history of

*The gift — which contains material covering four centuries — provides insight into women immigrants, women in the early labor movement, anti-slavery, suffrage and temperance movements and more.*

the Chinese in 19th century Pennsylvania, and a study of bastardy and infanticide in colonial Massachusetts. She has received the Pennsylvania Commission for Women's Award for Service to Women.

### ☛ DIVERSITY OPPORTUNITIES CALENDAR ☛

**Sunday, April 17**  
United Solo Ensemble, 4 p.m., Grace Lutheran Church. Live recording concert.

**Tuesday, April 20**  
Penn State Harrisburg, 3:30 p.m., Eastgate Center, 1010 N. Seventh Street. Presentation titled, "Two Steps Forward, A Step-And-A-Half Back: Harrisburg's African American Community in the Nineteenth Century," by Gerald Eggert, retired University professor of history and author of *Harrisburg Industrializes: The Coming of Factories to an American Community*.

**Wednesday, April 21**  
Paul Robeson Cultural Center, 7-8:30 p.m. Inner Visions Film/Discussion Series presentation titled, *A Kid Kils*.

**Thursday, April 22**  
School of Communications, Center

for Women Studies, 8 p.m., Carnegie Cinema. Presentation titled, *Journalistic Representation of Anita Hill*, by Leola Johnson, University of Minnesota professor of journalism.

**Tuesday, April 27**  
Multicultural Resource Center, 3:30 p.m., Old Main Alumni Lounge. The Multicultural Resource Center's recognition awards ceremonies and reception. Students, faculty and staff will be honored.

Paul Robeson Cultural Center, 7 p.m. Inner Visions Film/Discussion Series presentation titled, *Born in Africa*.

**Wednesday, April 28**  
Lesbian/Gay/Bisexual Faculty/Staff and their Allies, 5:30 p.m., 110 Henderson Building. General meeting.

### ☛ DIVERSITY BRIEFS ☛

#### Fayette readies for Women's Day

The Penn State Fayette Campus will host its 12th Annual Women's Day on Thursday, May 20.

The one-day event includes an Informational and Agency Fair, workshops and a luncheon with featured speaker, Kathy Svljar. Participants will learn new ideas for work and home and also will be able to network with interesting women from the area.

Ms. Svljar, who will discuss "Motivate and Go For It!" has been the Shop'n Save spokesperson for eight years, representing 119 stores in Western Pennsylvania, West Virginia and Ohio.

#### Holocaust victims remembered

Zofia Banya, a Polish farmer who saved the lives of a young Jewish couple during the Nazi ascendancy, is featured in "So Many Miracles," airing at 10 p.m. Sunday, April 18, on Channel 3.

This Saul Rubinek film about the reunion of the Banya Family is just one of WPSX-TV's programs that observes Days of Remembrance, remembering the victims of the Holocaust, as

well as the many facets of the worldwide Jewish experience throughout the month.

"The Longest Hatred," airing at 9 p.m. Wednesday, April 21, presents an analysis of one of Western civilization's most persistent and destructive prejudices - anti-Semitism. Featuring prominent Jewish, Christian, and Muslim scholars in Europe, America, and the Middle East, the program provides insight into the roots of anti-Semitism and reports on its contemporary manifestations.

#### Multi awards

The Multicultural Resource Center will present awards to students, faculty and staff at 3:30 p.m. Tuesday, April 27, in the Old Main Alumni Lounge at University Park.

The awards will honor students who have outstanding academic achievement, and faculty and staff who have promoted multiculturalism and demonstrated concern for and sensitivity to the needs of students of color.

James B. Stewart, vice provost for educational equity, will present the honors.

### ☛ OBITUARIES ☛

Robert A. Peters, assistant bursar, Corporate Controller's Office; since May 31, 1961; died March 14 at the age of 52.

Ralph L. Montrose, assistant professor at the Applied Research Laboratory; since May 3, 1960; died March 22 at the age of 62. He was a 1952 graduate of the University of Notre Dame with a bachelor's degree in electrical engineering.

T. Stewart Goas, associate director emeritus of continuing education, died March 13. He was 63.

He was a member of Alpha Sigma Phi social fraternity, Phi Gamma Nu, Phi Sigma Iota, Kappa Phi Kappa and Phi Mu Sigma service fraternities.

## Grant

Continued from Page 1

Henry W. McCullum, College of Science director of minority programs.

Based in Philadelphia, the William Penn Foundation has supported math and science educational programs in the Philadelphia area since 1945. The grant awarded to Penn State in 1990 was the first time the foundation awarded a grant to an institution outside of its base area.

"Awarding these grants to universities such as Penn State has proved very helpful in the improvement of retention rates of African American and Hispanic students. While many of the grant-funded programs

target students' early college years, they have made a considerable impact, and a number of the students are going on to earn advanced degrees," said Richard Cox, William Penn Foundation senior program officer.

Penn State has numerous recruitment and retention programs for minorities majoring in science, agriculture, engineering and math. Some include special orientation programs, free tutorial services, visits by minority professionals, academic monitoring and advising, scholarships and other financial support, several summer high school student visitation and research programs and research programs pairing undergraduates with faculty.

# What exactly is a "topping-out?" We're glad you asked!

Excerpts from President Thomas' remarks at the Penn State Research Park topping-out ceremony on Wednesday, April 14, in which he explains the tradition of "topping-out" a structure.

After years of planning and anticipation, there is now in place a tangible framework for the Penn State Research Park, a framework on which a brighter future for the University, for central Pennsylvania, and for the Commonwealth can be built.

The Research Park is very much about the future, but it is fitting that we celebrate this occasion with a ceremony deeply rooted in the past.

The University has always bridged the past with the future. Our special role is to preserve and transmit tradition, while at the same time advancing the leading edge.

The topping-out ceremony goes back more than a thousand years to a Scandinavian custom celebrating the completion of a new home. According to that custom, when the ridge-pole of the home was finally in place, an evergreen tree would be attached to the top. Some accounts say this was done to honor the tree spirits that figured prominently in Scandinavian mythology. Others say it was a signal that a party was about to commence to celebrate the completion of the work.

Still others link the building of a new Viking home with the successful return from adventure, with the tree at the top of the ridgepole calling neighbors to celebrate the challenge successfully met.

In all cases, the custom is linked to the important role that trees—especially the plentiful evergreen trees—played in the livelihood of these ancient people. They relied on them for fuel...for food in the form of fruits and nuts...for building their homes and their boats...and even for color during long and dreary winter months.

The tree at the top of the house was a powerful symbol of life for the Scandinavians of long ago. The custom of placing a tree on top of a completed structure came to America with immigrants from Europe. Once part of barn-raising and the home-warmings, the custom was picked up by the ironworkers who built the nation's first skyscrapers, and continues on today in the construction trade.

In its modern version, a tree is secured to the last girder, before it is hoisted in place.

We are pleased to continue this age-old tradition today at Penn State.

For the University, these evergreens are just as meaningful as they were for the Scandinavians. They symbolize for us our important ties to the past, and, as for the ancient Vikings, the challenges out of which the future is built. They also convey our hopes for the life that will flow from this venture—the life of our University, and our community, region, and state.

The second element that has become an important part of topping-out ceremonies in this nation is the American flag. This custom is much more recent than the use of a tree, dating to the beginning of this century.

American ironworkers used the flag to decorate a completed job, perhaps to demonstrate their loyalty to country in the midst of the divisive unionization movement at that time. Whatever its original intent, the United States flag atop a new building or bridge is a wonderful symbol of the contribution each new structure makes toward realizing the collective American dream.

Penn State is very proud to fly it today on each of these buildings as a way of saying they are here to serve the dream of a bright future for all.

It was only thirty or forty years ago that the tree and flag came together in the topping-out ceremony. We use them both today in topping out the beginning of the Penn State Research Park because great beginnings are filled with signs of what is to come.

Where we see a tree, a flag, and a framework today, tomorrow will be a challenge met and a dream fulfilled. We are very much looking forward to the opportunities that will be created by the Penn State Research Park.

## Penn State Research Park



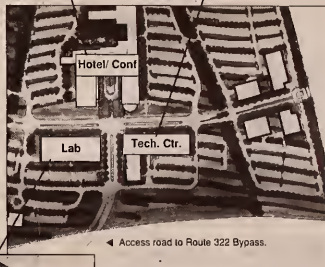
245,000-square-foot  
150-guest-room hotel/conference center

53,000-square-foot Technology Resource Center



The mission of the park is to utilize the University's physical and intellectual properties to:

- Facilitate the startup of new businesses.
- Attract new industries.
- Offer new job opportunities to students, faculty and residents of Centre County.
- Arrest the out migration of the University's and the Commonwealth's valuable human resources.



51,000-square-foot Research & Development Lab

"These facilities will have a substantive impact on employment for the Centre Region and the Commonwealth."

David Shirley  
 president of the Research Park Management Co.

## Park

Continued from Page 1

grams also is progressing on schedule.

In addition to the Research Park update, guests heard President Thomas explain the history of topping ceremonies. Joining Drs. Thomas and Shirley on the platform to sign the topping-off girder was Marian U. Coppersmith Fredman, immediate past-president of the Board of Trustees and president of Barash Advertising; developers Bill Morlok and Glenn Vernon, principals of Morlok Vernon Group of Philadelphia; and Peter J. Schultz, executive vice president of Lehrer McGovern Bovis, general contractor.

"Penn State's Research Park began as a significant part of a commitment made in 1987 to support economic revitalization in the Commonwealth by broadening the resources available to the University by forging partnerships with the public and private sectors," said Dr. Shirley.

The mission of the park is to utilize the University's physical and intellectual properties to:

- Facilitate the startup of new businesses by the entrepreneurial faculty.
- Attract new industries to the Commonwealth.
- Offer new job opportunities to students, faculty and residents of the Centre Region.
- Encourage the allocation of state transportation for area road improvements.
- Arrest the out migration of the University's and the Commonwealth's valuable human resources.

"A research park's success is based on commitment, and Penn State's Research Park is unique in that it has the commitment of its Board of Trustees and a broad constituency of leadership," Dr. Shirley said during the ceremonies.

"These facilities surrounding you," he continued, "will have a substantive impact on employment for the Centre Region and the Commonwealth. We are currently negotiating actively with companies not only in Pennsylvania but in other states as well to complete the occupation of this phase of development, but will have us embarking on Phase A2 as soon as we are finished with Phase A1.

The Art of Teaching

# “Teaching is a privilege”

*Editor's note: This article is part of a continuing series of essays by University faculty members on "The Art of Teaching."*

by M. J. Bergstein  
associate professor of marketing

More and more organizations, corporations, and various institutions are spending time these days trying to reach the elusive goal of Total Quality Management, popularly referred to as TQM. This involves a serious and searching evaluation of their personnel, departments, practices, and policies which have been in place for a long time and which are probably overdue for serious review. This review is designed to bring the organization to acceptance of a central thrust toward managing the enterprise and the personnel involved in the most efficient and fiscally-responsible manner so that organizations will reach the highest possible level of efficiency and productivity. In other words, how can we best manage our resources and ourselves to produce the highest possible level of quality?

It occurred to me as a university teacher that I, too, should embark on

**I tell my students that they are among the chosen few.**

a personal program of total quality management. The purpose of my personal evaluation and review would be carefully to examine everything that I present in the classroom and the manner in which I present it. My goal was honestly and hopefully without ego to identify those areas which I had not thought much about in a long time and material which I may well have been repeating over and over again through force of habit rather than because of conviction.

I, therefore, started my own teaching-quality management program, even as our College of Business Administration is engaged in its program. I carefully reviewed the texts which I have been using to see if they were still as useful and viable as I thought them to be. I did a great deal of thinking about the form and frequency of my examinations. I examined the areas of information

upon which my classes were concentrated and I thought about the style which I follow in my classroom lectures and discussions. I wanted to think about whether the atmosphere I try and create in the classroom is as conducive to information exchange as I have always believed it to be—or had it become inhibiting and irrelevant to today's students? Finally, I wanted to review the classroom rules which I explain and enforce to decide if those rules are still useful and efficient since they have been in place for a long time.

Depending on the length of our teaching service, many of us have seen dramatic changes in the size of our classes, in the attitudes, habits, and values of the students we teach and in the priorities and values of the society in which our students will live and work. All of these changes have made strong impact on the habits and attitudes our students brings to the classroom. I am not sure that these changes have served our undergraduate students very well. Many of us remember the dramatic differences in the classroom when the seats were filled by the older and more mature, and often married, post-World-War-II students. The classroom had a different atmosphere when students were products of the relaxed and confident days of the early and mid-fifties when the attitude seemed to be "have some fun now and worry about a job later."

Remember the serious and grim and concerned students of the early Civil Rights movement years when many of our students, possibly for the first time in their lives, were thinking about serious social issues? Nothing in our teaching training had prepared us for the anger of the Vietnam War years. And today, facing the reality of student loans to be repaid, increasing debt everywhere, falling employment at home and new business competition abroad, many students now keep one eye on their books and their classes and the other on their prospects for a job. After reviewing all of these years, and recognizing the differences in all of these types of students, I have concluded that, while I have changed in many ways, there are still constants which I believe are as important and as viable now as I always believed them to be.

I believe that far too many students have the wrong educational goal. Their goal is to become a university graduate when their goal



M.J. Bergstein

Photo: Greg Greco

## About the Author . . .

**Who:** M. J. Bergstein  
**Vitae:** Associate professor of marketing at University Park. Served as a Penn State faculty member for several decades. Was an adjunct faculty member in the departments of Speech and Journalism, in conjunction with his role as president and general manager of Centre Broadcasters, Inc., owners and operators of State College radio stations WMAJ and WXLR. He joined the faculty in The Smeal College of Business Administration full time in 1976.

should, obviously, be learning. I try to convince all of my students that their degree should be a result of learning and that it cannot be a substitute for learning. I want them to know that it is possible to earn a degree without learning very much, but that the real learning automatically assures that they will earn their degree and will help them build a meaningful foundation for their careers and their lives. Therefore, I try very hard to create the very best possible learning atmosphere for all of my classes.

I start by telling my students of a very early lesson I learned when I was growing up and all of my out-of-school hours were spent playing football, basketball, baseball, etc., on the corner lot. After watching the

time we wasted in arguing such things as "who fouled who," one of the neighborhood fathers said, "Kids, if you ain't got rules you ain't got a game." I believe that everyone in class must not only understand the rules but also the rewards and the penalties which accompany them. How do I try to create a professional atmosphere for learning in my classroom? What rules do I follow to make sure that "we have a game?" I cannot review all of them in this available space, so let me review just a few.

First, I believe that class attendance at the university level should be mandatory with clearly-defined valid reasons for absences. I tell my

See "Privilege" on Page 5

# Privilege

Continued from Page 4

students that they are among the chosen few. I want them to know that their families pay only a portion of their educational bill and that they represent government or society pay the remainder. I remind them that there are taxpayers' children all over the country who, for one reason or another, cannot attend a college or university while their parents still pay taxes to various levels of government which support students in classes like ours.

Therefore, I think that it is obscene to qualify for a college education, pay the educational bill, and make an arbitrary decision not to attend classes which have been selected. I have always felt that we are very inconsistent in our training of students. For twelve years of public school each student is required to be at a certain place at a certain time, yet

***If I stop caring about my students... and I stop remembering how important they are and why they are entitled to my very best efforts, then I will cease to teach because I will have lost the right to do so.***

at the university level we generally have lax rules which say, "you are an adult...you make the decision to attend classes." The day following graduation we revert and employers everywhere again tell students that you are to be at a certain place (office, laboratory, etc) at a certain time. I feel that we do not serve students well by allowing them class attendance leeway which helps create a destructive habit pattern.

Since I teach management of the sales force, I try and approximate the environment of the sales training program in which most of the students will begin their business career. This means, among other rules, that:

■ Classes begin on time, even as a business meeting will begin on time.

■ The classroom is not a lunchroom; the classroom is not a place to catch up on a missed meal, even as a business meeting is not a place for dining.

■ The classroom is not a bedroom, even as sleeping in a business meeting is not appropriate.

■ The classroom is not a baseball stadium and, therefore, baseball caps (either with the peak in front or turned around backwards) are out of order even as wearing a hat in an indoor meeting is inappropriate. (The only students who are allowed to wear their baseball caps in class are those who show up in full uniform...including spf15!)

■ The floor of the classroom is not a substitute for the wastebaskets or the recycling containers. If you would not discard papers, newspapers, pencil stubs, etc., on the floor of your business meeting, it is inappropriate to expect the cleaning crews to pick up your personal garbage here.

These simple rules may seem elementary and simplistic at the university level and I am sure we would agree that these rules of behavior should have been learned at the elementary school or high school level. Because, in too many cases, they have not been learned there, I want them to learn them here. I simply feel that it is my responsibility to help prepare my students for the next level of their professional lives and that teaching appropriate and adult behavior is a useful part of their training and

learning. These, then, are a few of my rules for the classroom. I think it only fair that I also adopt professional teaching rules for myself.

First, I believe that I must be "ready" to teach every day. I do not go into a classroom without knowing exactly what was discussed at our last meeting and being ready to teach today's session. If I must ask a class, "Where were we when we finished our last class?" then I am not ready to teach today's class. Next, I believe that I must do my very best to know more about my subject than I knew when I taught this class last semester. This means an heavy schedule of reading in this subject and other related subjects. It also means listening very carefully when I visit companies or talk with professional visitors to our college, and this implies knowing the right questions to ask. Being "ready" also implies thinking about the format of each class and whether this remains the most productive way of teaching my subject.

I want my students to know that I care about them and that I am interested not only in their making it also in their education. This means making myself available as a resource person to help them with both professional and personal counseling and advice. This means that their wanting to meet with me is not limited only to my office hours. Finally, I want my students to know that I will not only talk with them but that I also promise to listen. I make that promise because I have observed how so many of us are willing to talk...because it is easy...and how few are willing to listen because it is much harder to do.

I believe that, even as students are among the privileged, so are teachers. I believe that teaching is a privilege and not a penalty. I believe that teaching at the highest level of my ability is not only a privilege but also a duty. I almost never think of myself and introduce myself as a university professor. Rather, I think myself and introduce myself as a university teacher...and I think and say that with pride.

We have a family friend who, following World War II, held the position of director of a displaced persons camp in Germany. It was his responsibility to care for, nurse back to health and reunite with their families several thousand former inmates of various concentration camps. He recounted that, after observing the behavior of his staff in their relationships with the camp inmates, he held a staff meeting and told them, "I want you to know that we do not have thousands of sick and starved desperate people here so that you guys can have a job! It is the other way around!"

How many of us might profit from that short lesson? How many companies believe that they have customers so that they can make a profit? How many people in the health professions feel that people become ill so that they can earn a fee? How many salesmen believe that they have customers so that they can earn a sales commission? How many teachers, at all levels, believe that their classroom is full so that they can have a teaching job? Shouldn't we all know that it, obviously, is the other way around?

That's why I often remind myself just why it is that I have chosen to teach. Whether my class is large or small, regardless of the subject I am teaching, regardless of the time of day or the day of the week, I know that these students have not enrolled in this class so that I can have a teaching job. I want myself to never forget that it must always be "the other way around" and that I have a teaching job because they have chosen to enroll in my class.

If I stop caring about my students and how I can help them...and I stop remembering how important they are and why they are entitled to my very best efforts, then I will cease to teach because I will have lost the right to do so.

## FACULTY / STAFF ALERTS

### Pollock Road construction

A major reconstruction project for Pollock Road on the University Park Campus may delay traffic from the middle of April until approximately Aug. 13.

The work includes road and curb reconstruction and will be done in planned stages. However, there will be access to Old Main building at all times. No construction work will occur during Arts Festival week of July 5 to 11.

"The project management team involved in coordinating the project has worked to eliminate as much inconvenience and interruption as possible," Norman Bedell, assistant vice president of the physical plant, said. "The inconvenience will be temporary as the contractor makes these much-needed permanent improvements."

The estimated schedule for the Pollock Road project is as follows:

Stage one: The area from east of the intersection of Burrows and Pollock roads to a point slightly west of Chandee Lab. Mid-April to July 2.

Stage two: The area from the main gate on Atherton Street to a point east of the intersection at Burrows and Pollock roads. The project includes an enlargement of the intersection. May through July 1.

Stage three: The area near Chandee Lab to the corner of the driveway entering Davey Lab. July 2 through Aug. 3.

Stage 4: A small area between Davey Lab and Osmond Lab. Aug. 3 through 13.

Stage five: The area from the east corner of Osmond Lab to a point west of Boucke Bldg. Aug. 9 through 13.

### HIV/AIDS Workshop

Due to the positive response to the workshop "HIV/AIDS: Spread Facts Not Fear" held on March 1, an additional section of the workshop has been scheduled for 9 a.m. to noon Wednesday, April 28, in 319 Rider Building.

Purpose of the workshop is to help participants become more comfortable sharing factual information about HIV/AIDS with students, colleagues and co-workers in both classroom and informal settings. Emphasis will be placed on serving as a resource/referral person for policy, education, prevention, HIV testing, treatment and other needs related to HIV/AIDS Education Consortium, the Human Resources Development Center (HRC), and the Faculty/Staff Health Promotion Office.

Instructors are Mary McClanahan and Sally Maud Robertson, HIV/AIDS Education Consortium.

## Search on for department head

The College of Education has announced an internal search for the position of head, Department of Administration, Policy, Foundations, and Comparative/International Education. The department includes academic programs in Educational Administration, Education Theory and Policy, and Higher Education.

Required qualifications include: appointment as a tenured full or associate professor in one of the programs within the department and as a member of the graduate faculty; ability to work effectively with students, faculty, and other administrative personnel in the department, the college and the University, as well as with state and national agencies; knowledge and experience in performing administrative responsibilities in higher education; background of excellent teaching; an excellent record of scholarship and research including experience with funded projects, and experience with doctoral level advising, research, and program development.

Applications and nominations should be addressed to John Salvia, head, Department of Educational and School Psychology and Special Education, and chair, Search Committee, 212 Cedar Building, University Park, PA 16802. Applicants should submit a cover letter addressing the responsibilities and qualifications listed above. A current professional vita is required. Deadline is May 15.

# LECTURES

## USX Corporation trustee to speak on energy and public policy April 16

Victor G. Beghini, vice chairman of the Marathon Group and member of the Board of Trustees of USX Corporation, will deliver the second annual lecture of the G. Albert Shoemaker Lecture Series in Mineral Engineering at University Park on Friday, April 16. He will speak on "Energy and Public Policy—Servant or Master?" at 3:30 p.m. in 112 Walker Building.



Victor G. Beghini

Mr. Beghini is president of Marathon Oil Company, a position he has held since 1987; a member of the National Petroleum Council, and director of the American Petroleum Institute. A member of the Penn State Class of 1956 in petroleum engineering, he was honored as a Penn State Distinguished Alumnus in 1985. In 1991, he was elected to the Uni-

versity's National Development Council. He received an honorary doctor of laws degree from Marietta College in 1988, and an honorary doctor of engineering degree from Rose-Hulman Institute of Technology in 1989.

The lecture series in mineral engineering was established in 1992 by Mercedes G. Shoemaker to honor the memory of her husband G. Albert Shoemaker, a Distinguished Alumnus of Penn State, former Penn State trustee, and president of the Board of Trustees from 1970 to 1972. Mr. Shoemaker had strong interests in mineral engineering and served as president of Consolidation Coal Company in Pittsburgh from 1960 to 1966.

## Math professor to present series

Simon Tavare, professor of mathematics at the University of Southern California, will present a series of talks, jointly sponsored by the departments of Biology, Computer Science, Mathematics and Statistics, Wednesday and Thursday, April 21 and 22, at the University Park Campus.

The schedule: "Statistical Inference for the Coalescent," noon, April 21, 317 Mueller Lab; "Random Combinatorial Structures and the Ewens Sampling Formula," April 22, 11:45 a.m., 120 Sackett Building; "A New Class of Monte Carlo Likelihood Methods Arising in the Analysis of DNA," April 22, 4 p.m., 215 Classroom Building.

Dr. Tavare has been a member

of the University of Southern California faculty since 1989. He previously taught at the University of Utah, Colorado State University, Stanford University, and Monash University, Australia. His research interests include stochastic processes, statistics, population genetics, and molecular evolution.

He received his B.Sc., M.Sc. and Ph.D. degrees from The University of Sheffield, England.

An elected Fellow of the Institute of Mathematical Statistics, he is a member of the Royal Statistical Society, Biometrics Society, Genetics Society of America, and the American Statistical Association.

## Biology professor and investigator to give Marker Lectures on genetic engineering

Mario R. Capecchi, professor of biology at the University of Utah and investigator at the Howard Hughes Medical Institute, will give the 1993 Russell Marker Lectures in Genetic Engineering April 19-22 at University Park.

The four-lecture series, "Gene Targeting and Mouse Development," is sponsored by the Eberly College of Science and is free to the public.

The lecture schedule includes: "Rewriting the Mouse Genome," 7:30 p.m. Monday, April 19, 102 Classroom Building; "The How of Gene Targeting," 7:30 p.m. Tuesday, April 20, 102 Classroom Building; "Creating Mice with Targeted Disruptions in Proto-Oncogenes," 8 p.m. Wednesday, April 21, 101 Allhouse Laboratory, and "Creating Mice with Targeted Disruptions in Hox Genes," 11:15 a.m. Thursday, April 22, 101 Allhouse Laboratory.

Dr. Capecchi was among the first to introduce foreign genes into mammalian cells by microinjection. More recently, he has led the way in developing methods to replace normal mouse genes with defined mutant genes, thus "rewriting the mouse genome."

Analysis of the effects of gene replacement in mice is helping scientists understand the molecular pathways of normal mammalian development. Future application of this gene-replacement technology to humans could provide new therapies for cancer and inherited diseases.

Dr. Capecchi, who joined the University of Utah faculty as a professor of biology in 1973, also is adjunct professor of cellular,

viral, and molecular biology and professor of human genetics at the University of Utah School of Medicine.



Mario R. Capecchi

Co-recipient of the Fifth Annual Bristol-Myers Squibb Award for Distinguished Achievement in Neuroscience Research last year, he also has been honored with the American Cancer Society Faculty Research Award, the National Institutes of Health Career Development Award, and the American Chemical Society Award in Biochemistry. From 1969 to 1972, he was an Established Investigator of the American Heart Association, and in 1971, he received America's Ten Outstanding Young Men Award.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth control pill.

The Marker endowment also allows the Eberly College of Science to present annual Marker Lectures in astronomy and astrophysics, chemistry, evolutionary biology, mathematics, and physics.

## Professor emeritus gives Waynick Lecture April 23

John Nisbet, alumni professor emeritus of electrical engineering and former director of the Communications and Space Sciences Laboratory, will present the ninth annual Arthur H. Waynick memorial lecture at 8 p.m. Friday, April 23, in Room 22 Deike Building on the University Park Campus. Dr. Nisbet is an expert in ionospheric communication theory, aeronomy, and atmospheric electricity.

His talk, "How Seven Common Fallacies Were Removed From the Way to Understanding the Ionospheric F Region," is on the history of the investigation of the ionospheric F

region. F region research has involved some of the most colorful characters in 20th century science.

Dr. Nisbet will explain that, although the past 95 years have brought the development of a vast body of knowledge about the region, progress has not always been straightforward in a field whose study has required knowledge of astrophysics, chemistry, physics, and meteorology.

The lecture, sponsored by the Communications and Space Sciences Laboratory, is open to the public.

# Internationally focused bulletin board available

The Office of International Cooperative Programs (OICP) has announced establishment of a new, totally interactive, internationally focused bulletin board available via both the Administrative (Emc2/TAO mail) and the Usenet/Netnews systems.

The service has been developed to disseminate specific information on international education to the University community and to provide a forum for the exchange of ideas.

**Accessing and Posting to the Bulletin Board**

There are two ways to access the

available bulletin board - (1) via the administrative (emc2/TAO mail) or (2) Usenet/Netnews systems. The bulletin board provides information concerning funding opportunities for all members of the university community interested in international research and opportunities, as well as general information on international conferences, seminars, calls for papers, etc.

The board is totally interactive. To post information to the administrative bulletin board, address the information via quick mail to FAC-

INTL. Those with authorization to read and post privileges to the Usenet News system should address the information to PSU.FACULTY-INTERNATIONAL within the PSU local news hierarchy.

Any notices posted to either the administrative or Usenet board will be simultaneously posted to the other system. Those who post to either board will be able to have their submissions "seen" by both systems. Posters who have sent something to either the Emc2 or Usenet will only be able to delete their own items

from the system to which they posted.

Information will remain for a 60-day period. OICP will purge outdated information as required. For further information, contact Patricia C. Ryan, University Office of International Programs, Office of International Cooperative Programs, 222 Boucke Building, University Park, PA 16802, (814) 865-7681 (telephone), (814) 865-3336 (telefax), BITNET: PCRI@PSUADMIN, INTERNET: PCRI@OAS.PSU.EDU.



# Focus on Research

Intercom

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## Drilled well is dry and researchers couldn't be happier

**T**exas wildcatters would never be happy drilling a dry well, but in Sheffield, Pa., last spring, drillers were very happy when their well came in dry, according to a University researcher.

"We didn't want to hit gas or oil in this well," Robert W. Watson, assistant professor of petroleum and natural gas engineering and head of Penn State's Drilling Hydraulics Research Center, said. "If I were really looking for oil or gas, I wouldn't drill here."

The 4,000-foot-deep cased well has a diameter of 9 5/8 inches and will be used to explore environmentally enhanced drilling and production practices, which include air drilling for vertical wells and improved production techniques by the newly created center.

"We want to do drilling hydraulics research to extend the applicability of air drilling to greater depths," said Dr. Watson. "We hope, within three years, to drill a second well which will be horizontal. The purpose of this second well will be to study the application of air drilling methods to drilling horizontal wells.

"Air drilling has been around for 35 years and the field is replete with anecdotal information and rules of thumb for drilling wells with air. There hasn't been a systematic scientific study of air drilling for the purpose of defining the limits and applicability of the technique."

Air drilling allows an accelerated penetration rate, which minimizes the cost per foot to drill the hole. Moreover, air drilling, if applied correctly, minimizes down hole, subsurface contamination. It can also eliminate the need to use drilling muds in environmentally sensitive areas.



Michael A. Adewumi, associate professor of petroleum and natural gas engineering, and co-researcher.



Robert W. Watson, assistant professor of petroleum and natural gas engineering, at a well control panel.

Photos: Greg Grieco

"Overall, the center is trying to make energy production in the United States economically competitive with energy production in other places," Dr. Watson explained. "The only way to do this is to reduce costs."

Conventional drilling for oil or gas uses drilling mud, a compound that contains chemicals such as polymers or barium sulfate that are expensive to use and require additional cost to dispose of in an environmentally prudent fashion.

"The cost of drilling mud is typically 10 percent of the cost of the well and mud disposal is extremely expensive," he said. "With air drilling there is no mud cost or mud disposal and you are left with a small pit containing rock chips which can be disposed of on site."

Air drilling is frequently used in Pennsylvania and parts of the Appalachian Basin, Canada, Tunisia, Syria and the former Soviet Union. The method has only occasionally been employed in parts of Texas and New Mexico and in Colorado for gas drilling. The researchers would like to extend the areas where air drilling is applicable.

"Air drilling can not be used universally," said the Penn State engineer. "Certain hole conditions — sloughing shales, large amounts of water in the hole or abnormally high pressures — make the use of air drilling difficult at best."

The Drilling Hydraulics Research Center will also focus on environmentally benign production techniques. One problem with oil and gas production is that the associated fluids produced with the oil and gas are classified a waste that, by state and federal regulation, must be disposed of in a prudent fashion.

"For example, we are working with techniques to minimize the amount of dissolved solids and metals and essentially reduce produced brine to a chlorine system by removing the metals in the brine," said Dr. Watson. "With this approach, it might be possible, through further dehydration, to use the waste brine as a saltier for highway deicing."

One of the main goals of the center is to study oil and gas rig safety and reduce injuries.

"The typical injury on a rig is catastrophic," he said. "What we want to do is study the process involved in drilling and develop ways to reduce the number and severity of accidents. Workman's compensation is a large component of drilling business expenses."

While the safety studies can be carried out on the well as it now exists, the production research will be done by simulating oil and gas production with additional strings of pipes. The researchers will pump oil or gas into the well and then use various methods of production.

"The air drilling technique also has application to in situ mineral mining of such products as sulfur, salt, copper, magnesium and zinc," he added. "The technique may also have application to in situ remediation of waste dumps."

—A'ndrea Elyse Messer

# University Park Calendar

## April 15 - May 3

### SPECIAL EVENTS

#### Thursday, April 15

Summit on Diversity, titled Building Coalition for the 21st Century, through April 16. Pre-registration required. Call Jean Milson at 855-6711 or Purling McDonald at 853-8218.

Union Programs, noon, Kern Lobby. Mellow Jazz.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Voice Students of Richard Kennedy and Norman Spivey.

Faculty Staff Club, 5 p.m., Assembly Room, Nittany Lion Inn. Taxes and Taxes: Student Parents Organization, 6:30 p.m., 305 HUB. Featuring the movie Hugs & Kids: Parenting Your Preschooler.

Center for the Performing Arts, 7 p.m., Eisenhower Greenroom. Cecilia Dunoyer on Artistic Viewpoints.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Baltimore Symphony Orchestra, tickets required.

Student preview, 8 p.m., Pavilion Theatre. University Resident Theatre Company performing Blood Wedding. Tickets required. Also April 15.

CWS, 8 p.m., Nittany Lion Inn Ballroom. Beverly

Gay-Sheila on Making Connections.

#### Friday, April 16

Jazz Festival, Schwab Auditorium.

Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Susan Brantley on The Most Acid Water On Earth: Geology and Gaseous Emissions From Volcanos.

Mineral Engineers, 3:30 p.m., 112 Walker Bldg. Victor G. Beghlin on Energy and Public Policy Servant or Master?

Computer Science, 4 p.m., 325 Whitmore Lab. Nicholas J. Higham on Open Problems in Parallel Numerical Linear Algebra.

Shaver's Creek, 6:30 p.m., Beavers By The Bridge.

AALUP and COPS, 7:30 p.m., 101 Kern Bldg. Phil K. Won on How to Read a

University. Budgets and All.

School of Music, 8 p.m., Recital Hall. The Penn State Percussion and Mallet Ensembles I and II.

Center for the Performing Arts, 8 p.m., Pavilion Theatre. University Resident Theatre Company performing Blood Wedding Reception follows at the Nittany Lion Inn. Tickets required. Through April 24.

#### Saturday, April 17

NPHC Step Show, White Bldg.

Little International, Ag Arena.

Phi Sigma Kappa Super Stars, HUB lawn.

Shaver's Creek, 8 a.m., Pledge-A-Bird School of Music, 8 p.m., Eisenhower Auditorium. Penn State Symphonic Band.

#### Sunday, April 18

Earth Day, HUB lawn.

School of Music, 3 p.m., 112 Kern. Opera Workshop.

School of Music, 3 p.m., Schwab Auditorium. Singing Lions. For tickets call 853-2991.

CWS, 7 p.m., Eisenhower Chapel. Ann Lutteman on Renewal of Body, Mind and Spirit.

#### Monday, April 19

Comparative Literature, 12:15 p.m., 101 Kern Bldg. Kuntum Chatterjee on The 19th Century Cyces and Literature in India.

German Films, 8 p.m., 108 Warlik. Ergun Asen Eisen (Iron Angel, 1980), with English subtitles.

#### Tuesday, April 20

Arts and Architecture, 3:45 p.m., School of Music Recital Hall. Brenton Broadstock on Social

Consideras as a Motivating Force in My Music.

Genman, 4 p.m., Gallery Lounge, HUB. Michael Bohler on Unity and Diversity: (Pluri-)Nationalism and Multi-Culturalism in the German Speaking Countries: An Issue or a Non-Issue?

Graduate Program in Nutrition, S209 Henderson Hall, South.

Leonard S. Jefferson on Role of Amino Acids in the Regulation of Hepatic Protein Metabolism.

International Programs, 5 p.m., 222 Boucke Bldg. Hajime Hirai on Sports and Their Globalization in Japan.

#### Wednesday, April 21

Union Programs, noon, Kern Graduate Commons Lobby. Stanley Shepard with folk and strong west Indies music.

School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.

#### Thursday, April 22

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Vienna Orchestra.

Civil and Environmental Engineering, 7 p.m., Keller Conference Center. Program honors David E. Pergin, commanding officer of the 291st, the engine battalion at the Battle of the Bulge.

Oct. 9 p.m., 113 Carnegie Bldg. Leola Johnson on Journalistic Representation of Anita Hill.

Spanish/Italian/Portuguese Lecture, 8 p.m., 112 Walker Bldg. Carlos Rojas on Lorca, Dalí, and the Hallucinogenic Toreador.

#### Friday, April 23

Salvage and Surplus, Spring Auction. Geography, 3:30 p.m., 319 Walker Bldg. Jeanne Kay on Mormon Women in Utah 1847-1920: Gender and Space.

Spanish/Italian/Portuguese Lecture, 2:30 p.m., 13 Sparks Bldg. Reed Anderson on Blood Wedding Again: Thoughts on the Lorca Canon, 3:30 p.m., 13 Sparks Bldg. Manuel Celon on Federico Garcia Lorca's Blood Wedding, 8 p.m., Pavilion Theatre.

University Resident Theatre Company's production of Blood Wedding. Introduced by a colloquy with director, Manuel Duque, and cast.

Penn State Ice Pavilion, 7:30 p.m. Ice Rhythms, produced by Dena Yeagley. Also April 24.

#### Saturday, April 24

Blue White Game. Mavin On, HUB lawn. Dairy Expo, Ag Arena.

Arts and Architecture, 6:30 p.m., Nittany Lion Inn. Gala '93, in anticipation of the grand reopening of the Palmer Museum of Art, includes cocktail hour, gourmet dinner, dancing, and a silent auction. Tickets required.

Center for Performing Arts, 7:30 p.m., Eisenhower Auditorium. Penn State International Dancers celebrate their 15th annual spring concert. Tickets required.

School of Music, 8 p.m., State Cabaret. Concert for Peace, Penn State Glee Club.

Shaver's Creek, 8:30 a.m. Teamworks.

#### Sunday, April 25

Sy Barash Regatta.

Shaver's Creek, 2 p.m. Spring Hike.



Traditional songs and dances from around the world are presented by the Penn State International Dancers, April 24, at 7:30 p.m. in Eisenhower Auditorium on the University Park Campus.

School of Music, 3 p.m., Eisenhower Aud. The Vienna Concert, Penn State Philharmonic, Penn State University Choir, Penn State Concert Choir, and The Castella Trio.

Monday, April 26  
Comparative Literature, 12:45 p.m., 101 Kern Bldg. Svetlana Boyrn on Death and Quotation Marks.

School of Music, 8 p.m., Recital Hall. Penn State Flute Ensemble.

Wednesday, April 28  
HIV/AIDS Workshop, 9 a.m., 319 Rider Bldg. Storytelling, 10 a.m., Penn State Bookstore. Sheren McKenzie, featured storyteller.

NASW, 11:45 a.m., 313 Kern Bldg. Tina Hay on Relationships Between Science Writers and Faculty Sources.

School of Music, 8 p.m., Recital Hall. Student Composers Concert.

Thursday, April 29  
Union Programs, noon, Kern Lobby. Gordon Law and Friens, modern jazz group.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Flute Ensemble.

#### Friday, April 30

Geography Coffee Hour, 3:30 p.m., 319 Walker. Susan Hanson on Gender, Work and Space.

Sports Medicine, 5:15 p.m., Keller Conference Center. Gayle Plant on The Female Athlete and The Media: A Look Behind The Scenes.

Shaver's Creek, 7 p.m. Woodcock Walk. School of Music, 8 p.m., Recital Hall. Duo Piano Recital. Carl Blake and Cherie Curry.

#### Sunday, May 1

Shaver's Creek, 8:30 a.m. Teamworks.

### PUBLIC RADIO

WPSU-FM 91.1  
All Things Considered, Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.;

Morning Edition, Monday-Friday, 6-8 a.m.;

Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.

Odyssey Through Literature, 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. Perspectives, 6:30 p.m. Wednesdays. Scopes: Women and Minorities in the Sciences at Penn State, 12:30 p.m. Thursdays.

### CONFERENCES

Thursday, April 15  
Building Coalitions for the 21st Century, 200 attendees, Nittany Lion Inn, through April 16.

J. Mencher, chair.

Motor Fleet Maintenance Management, 15 attendees, Nittany Lion Inn. D. Smith, chair; E. Loop, coordinator.

Strategic Purchasing Management Program, 35 attendees, Nittany Lion Inn, through April 23.

J. Cavinato, chair; M. Taylor, coordinator.

The National Faculty Academy of PA Teachers II, 15 attendees, Nittany Hall, through April 30.

B. Nicely, chair; R. Maclean, coordinator.

Friday, April 16  
Mastitis Control and Quality Milk Workshop, 60 attendees, Hamilton Inn, Best Western.

Autoport, through April 17. D. Moore, chair; M. Johnson, coordinator.

Saturday, April 17  
School of Nursing's 25th Anniversary Gala Celebration, 125 attendees, Nittany Lion Inn.

B. Dobernsek, chair; R. Maclean, coordinator.

Zoning Law and Administration, 60 attendees; Nittany Lion Inn. F. Boehm, chair; J. Sinclair, coordinator.

Sunday, April 18  
Program for Strategic Leadership, 35 attendees, Nittany Lion Inn, through April 30.

S. Snell, chair; J. Mencher, coordinator.

Monday, April 19  
PA Agricultural Bankers Conference, 95 attendees, Nittany Lion Inn, through April 20.

H. Moore, chair; G. Peterson, coordinator.

Lubrication Friction, 65 attendees, Nittany Lion Inn, through April 20.

S. McGregor, chair; J. Sinclair, coordinator.

Driver Performance Measurement, 15 attendees, Nittany Lion Inn, through April 22.

D. Smith, chair; E. Loop, coordinator.

Troubleshoot O&M Problems in Activated Sludge Wastewater Treatment Plants, 15 attendees, Nittany Lion Inn, through April 22.

D. Long, chair; E. Loop, coordinator.

Separation & Purification Strategies for Biotechnology Products, 18 attendees, Nittany Lion Inn, through April 23.

K. Rashid, chair.

# Calendar

## Continued from Page 12

chair, J. Milson, coordinator.  
**Wednesday, April 21**  
 FAA Accident Prevention Seminar, 125 attendees, Keller Auditorium. B. Danaker, chair; N. McCord, coordinator.  
**Thursday, April 22**  
 Nutrition Labeling New Guidelines, New Directions, a satellite videconference from Iowa State University, 10:30 a.m. - 5 p.m., 506 Keller Conference Center. Contact Judy Treu, 865-6523.  
**Friday, April 23**  
 Graduate Student Conference, 501 Keller, through April 24. Peter Stralydars on Figures of the Body, 1300-1600. Innovation and Quality in the Classroom, 30 attendees, Keller Lobby. M. Scott, chair, C. Herd, coordinator.  
 Logists Transportation Symposium, 150 attendees, Atherton Hilton, Holiday Inn, Teddies, Hampton Inn, Autopost, Nitary Lion Inn, through April 24. B. Novak, chair; C. Herd, coordinator.  
 Figures of the Body 1300-1600, 50 attendees, Autopost. C. Patton, chair, N. McCord, coordinator.  
**Sunday, April 25**  
 Reading Tube Corporation, 16 attendees, Nitary Lion Inn, through April 27. B. Ricketts, chair; J. Milson, coordinator.  
 Central Management Program at Penn State, 35 attendees, Nitary Lion Inn, through May 7. J. Szychalski, chair; J. Mencher, coordinator.  
**Tuesday, April 27**  
 Leadership Training Program, 60 attendees, Atherton Hilton, through April 28. B. Hartman, chair; C. Andersen, coordinator.  
**Wednesday, April 28**  
 Educational Secretaries, 375 attendees, Nitary Lion Inn, through April 30. S. Hendrik, chair; R. Madsen, coordinator.  
**Friday, April 30**  
 Medical and Orthopedic Issues in Active Women, 200 attendees, Days Inn, Hampton Inn. M. Lynch, chair; R. Maclean, coordinator.

### SEMINARS

**Thursday, April 15**  
 LIAS Training, 2 p.m., C402 Paltee Library. Training class on new searching techniques.  
 Geoscience, 3:30 p.m., 26 Mechanical Science. Don Siegel on Effects of Continental Glaciation on Ground-Water Chemistry: From Divulion to Lulation.  
 Physics, 3:30 p.m., 55 Ostrand Lab. Sigfried Bethke on Experimental Tests of Quantum Chromodynamics at LEP.  
 Accounting, 4 p.m., 115 Beam BAB. Mary S. Harris on The Impact of Competition on Managers Reporting Policies for Business Segments.  
 Computer Science, 4 p.m., 325 Whitmore Lab. Joshua Hodas on Enriching the Foundations of Logic Programming.  
 Gerontology Center, 4 p.m., 106 Mitchell Bldg. Denise Park on Aging, Memory, Medicine Adherence.  
**Friday, April 16**  
 CRCN, 10:30 a.m., 115 Beam Bldg. Benny Moldovanu on On the Art of Saying No.  
 Accounting, 3:30 p.m., 333 Beam BAB. David G. Harris on The Impact of US Tax Law Revision on Multinational Corporations Capital Location and Income Shifting Decisions.  
**Monday, April 20**  
 Plant Pathology, 1 p.m., 112 Buckhout Laboratory. Jeremy Klaseen on The Occurrence of Fusarium Species in the Wheat Fields of Southern and Western Cape, South Africa.  
 Chemical Engineering, 3 p.m., Paul Robeson Cultural Center Auditorium. A. Brad Anton on Two-Dimensional Configurational Order and the Kinetics of Elementary Adsorption and Desorption Reactions.  
 Operations Research, 4:15 p.m., 210 Hammond Bldg. Russell Barron on Using Empirical Distributions in Discrete Event Simulation.  
**Wednesday, April 21**  
 Accounting, 3:30 p.m., 333 Beam BAB. Rajj Babbar on Input Separability, Production Efficiency, and Line Item Budgeting Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. Nicholas J. Salamon on Issues in Computational Solid Mechanics.  
**Thursday, April 22**  
 Geosciences, 3:30 p.m., 26 Mineral Science Bldg. Russell Wheeler on Compressional Reactivation of tectonic Extensional Faults in Southeastern North America.  
 Gerontology, 4 p.m., 106 Mitchell Bldg. Jersey Liang, featured guest.  
**Friday, April 23**

■ CRCN, 10:30 a.m., 115 Beam BAB. Srivivas Rangan on International Joint Ventures.  
 Accounting, 3:30 p.m., 333 Beam BAB. Orie E. Barron on Costly Trading and Disagreement: Theory and Evidence.  
**Monday, April 26**  
 Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Eng. Bldg. Michael A. Trapoz on Development and Test of Constitutive Models for Dry Powders, and Yarsheng Liu on Mathematical Modeling of Particulate Two-Phase Flow in Tube.  
**Tuesday, April 27**  
 Veterinary Science, 8:45 a.m., 111 Henning Bldg. John Cullen on Hepatic Carcinogenesis in Animal Models of Hepatitis B Virus Infection.  
 Chemical Engineering, 9 a.m., Paul Robeson Cultural Center. Aud. Michael T. Klein on Chemical Modeling-The Quantitative Use of Chemistry in the Study of Complex Reaction Systems.  
 Plant Pathology, 1 p.m., 112 Buckhout Lab. Sourmalia Sanoogo on Possible Effects of Rising Atmospheric Carbon Dioxide Concentration on Plant-Parasite Interactions.  
 Geosciences, 3:30 p.m., 341 Deike. Ray Price, featured speaker.  
**Wednesday, April 28**  
 ■ Center for Russian and East European Studies, 12:10 p.m., 12 Sparks Bldg. Clare Nolte on Training for Slavic Solidarity: The Czech Folk and the Slavic Gymnastic Movement.  
**Thursday, April 29**  
 ■ Gerontology, 4 p.m., 106 Mitchell Bldg. Richard Burkholder on Sharing Prosperities Across the Age Distribution in Comparison of the United States and Germany in the 1980s.  
**Friday, April 30**  
 CRCN, 10:30 a.m., 115 Beam BAB. Nicholas Yannelis on Cores in Values: Economies with Differential Information.

### EXHIBITS

**Kern Galleries:**  
 Exhibit of quilts by Leah H. Witzig, through May 18.  
**Kern Commons Gallery:**  
 Two Women-Inter Connections, watercolor paintings of Marlee Eisen presented with poetry and prose of Dawn Erwin Fisher, during April.  
**Art Hub Cases:**  
 Central Pennsylvania Guild of Craftsmen celebrating The Year of the American Craft. Multi media show of cratts, pottery jewelry, woodcarving, stained glass paintings, quilting, weaving and hand made paper, through May 23.  
 Browning Art Gallery:  
 Work of the Color Slide Club of State College, through April 18.  
**World of Art Gallery:**  
 To Color America: Portraits By Winold Reiss, through May 2.  
**Zoller Gallery:**  
 Work of Marilyn Drew Collins - exploring the vessel form as body through April 25.  
 Master of Fine Arts Thesis Exhibition, through May 8.  
**Chambers Gallery:**  
 Cat Food Be Not Proud: A Dialogue, through April 30.  
 Art Education Graduate and Metals Area Exhibition, through April 30.  
**Pattee Library**  
**East-Corridor Gallery**  
 Exhibition of quilts created by faculty and staff members of the University Libraries and their families, through April 16.  
**Landing Services Gallery:**  
 Jewelry exhibit by Jill Elizabeth, through April 17.  
**West Lobby:**  
 Behind the Scenes, through April 30. An exhibition of Penn State Theater students works.  
 Exhibition of photographs by John Rodenhagen documenting experiences in southeast Alaska, May 1 through May 18.  
**Lobby:**  
 Historic buildings in State College, featuring the work of the State College Borough Historic Resources Study Committee, through April 30.  
**University Archives-Penn State Room:**  
 Why Not for Girls? Dorothy V. Harris and Women's Sports Psychology, through May 5.

■ Reflects an international perspective

### NEWS IN BRIEF

#### Subjects sought

Subjects are needed for a thesis research project involving high blood pressure, older adults and exercise.

Requirements: high blood pressure - ranging from 140/90-150/95; male or female; 60 to 70 years old; inactive.

Free medical screening. For more information, call Faye Benn at (614) 865-3453.

#### Science writers

Tina Hay, assistant to the dean for communication, College of Health and Human Development, will lead a luncheon roundtable discussion sponsored by the Penn State Chapter of the National Association of Science Writers at 11:45 a.m. Wednesday, April 28, in Room 313 Kern Building on the University Park Campus. She will lead a discussion of "Relationships Between Science Writers and Faculty Sources."

The Penn State Chapter of the National Association of Science Writers brown bag luncheon roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale, 865-2407.

#### AIDS Quilt

Centre Community AIDS Resource Enhancement Services (Centre CARES), a Town and Gown consortium, has announced plans to exhibit the AIDS Memorial Quilt at the University Park Campus on Oct. 1 and 2, 1993. Discussions already have been under way to create experiences for the University community which will enhance knowledge and understanding of HIV/AIDS and the impact it has.

Faculty, staff and students have been meeting as the Penn State Quilt Education Committee. Others who are interested in assisting in integrating HIV/AIDS/Quilt education experiences into the curriculum and/or in developing special programming next fall are encouraged to call Susan Kennedy 863-0461, Sallie McCorkle or Charles Gagnon 863-0444 by April 30.

#### Old Man chimes

After years of wear and tear and difficulty getting parts, the Old Man tower clock on the University Park Campus is getting a new electronic controller that might slightly change the sound of the bells. The electronic revamp from the Office of Physical Plant expects to finish installing the new controller during the week of April 19.

#### Bortree Lecture

The Department of Veterinary Science will present the fifth speaker in its 1992-93 A. L. Bortree Lecture Series at 8:45 a.m. Tuesday, April 27, in Room 111 Henning Building on the University Park Campus.

John Cullen, associate professor in the Department of Microbiology, Parasitology, and Pathology, College of Veterinary Medicine, North Carolina State University, will discuss "Hepatic Carcinogenesis in Animal Models of Hepatitis B Virus Infection."

#### Golf course

The Penn State Golf Course has opened with 27 holes in operation—an 18-hole regulation course, the Tournament Course, and a nine-hole course, the Blue Nine.

The golf course will be operating on 27 holes until the newly constructed holes are ready. Starting May 1, you can reach the golf course at 865-GOLF.

Annual memberships are available and the lighted driving range is open until 9 p.m. To reserve tee time, you can call 865-ITEE, daily, 1 to 5 p.m., or do so in person any time.

### Voice students

Six voice students from the studios of

Richard Kennedy and Norman Spivey, assistant professors of music, will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The concert is free to the public.

### Spring concert

The Penn State Percussion and Mallet Ensembles I and II will perform in concert at 8 p.m. Friday, April 16, in the School of Music Recital Hall on the University Park Campus.

The percussion and mallet ensembles consist of students from the studio of Daniel

Armstrong, associate professor of music, who also is director of Percussion Ensemble I and Mallet Ensemble II under the direction of Keith Tennent, a graduate percussion performance major in the School of Music.

The concert is free to the public.

### Blood Wedding

Frederico García Lorca's "Blood Wedding," the final production of the University Resident Theatre Company's 1992-93 season, will open at 8 p.m. Friday, April 16, at the Pavilion Theatre on the University Park Campus.

Written three years before García Lorca was murdered by fascists in 1936, "Blood Wedding" powerfully depicts the repression of the life force. Blurring the boundaries between reality and fantasy, García Lorca uses symbolism to convey the shadow of fate on characters whose lives are ruled by barren codes of behavior.

Evening performances begin at 8 p.m. The mainline performance on Saturday, April 24, is at 2 p.m. Student previews are at 8 p.m. Wednesday, April 14, and Thursday, April 15. "Blood Wedding" will continue through Saturday, April 24. For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255, Monday through Saturday, 8:30 a.m. to 4:30 p.m.

**Zoller exhibit**  
Marilyn Drew Collins, master of fine arts degree candidate in the School of Visual Arts, will exhibit her recent work in Zoller Gallery in the Visual Arts Building on the University Park

Campus April 16 through April 25. Ms. Collins' work explores the vessel form as body through painting, mixed media sculptures and installation art. Found objects give shape, texture and movement to the anxieties and anger she releases through her work.

Zoller Gallery is open 9 a.m. to 5 p.m., Monday through Friday; 11 a.m. to 4:30 p.m. Saturday; and noon to 4 p.m. Sunday. The exhibit is free to the public.

### Featured authors

The Penn State Bookstore on Campus will host author Robert Merideth, staff writer/editor for the Pennsylvania Groundwater Policy Education Project at Penn State. He will sign and discuss his new book *The Environmentalist's Bookshelf, A Guide to the Best Books* (G.K. Hall, 1993), from noon to 2 p.m. on Friday, April 16. His book lists and describes the 500 best books on nature and the environment as determined by the recommendations of over 200 environmental leaders from around the world.

A representation of the books recommended by Robert Merideth also will be available at the bookstore during the book-signing session. A 20% discount will be offered on the selection of environmental books as well as on *The Environmentalist's Bookshelf*.

From noon to 2 p.m. Wednesday, April 21, Dwight Landis, author of *Trout Streams of Pennsylvania, An Angler's Guide*, will be the featured author at the bookstore. He will be available to sign and discuss his book and give fly-tying demonstrations.

*Trout Streams of Pennsylvania* (Hempstead-Lyndell, 1991) is a comprehensive guide to the great variety of trout fishing available in Pennsylvania. In its 232 pages, the book describes over 300 trout streams, ranging from tiny brooks to large trout rivers, such as the Delaware and the Youghiogheny. The author describes access sites, wild trout populations, trout stocking schedules, fly hatches, effective fly patterns, best times to fish, camping sites, location of local tackle stores and much more. Also included are black and white photographs of many of the streams described. The book is designed for beginners or experienced anglers.

### Story reading

At 8 p.m. in the HUB Gallery Lounge Friday, April 16, and Saturday, April 17, the University Readers will perform the works of two Penn State students who won the Eddie Nichol Award, an honor given annually by the Department of English for the best stories from fiction writing classes at the University.

The stories, "The Moody," by John

Luther and "The Family Room" by Kip Woodring, present the challenges facing realistic characters in Pennsylvania settings. "The Moody" is about a young man who wants to learn to play the trumpet like his father, but learns that cutting corners to obtain something can sometimes have unexpected consequences. "The Family Room" is about a construction worker who was on a roof when another man fell, was pushed, or jumped. He finds life complicated and threatened by the role he played in that event.

The director for stories will be Professor Tony Lentz, faculty adviser for the Readers. Since 1985, the University Readers have performed many award-winning stories by Penn State students as well to orally publish the works of young writers.

### Singing Lions

The Singing Lions will present their annual spring show, "Sing! Sing! Sing!" at 2 p.m. Sunday, April 18, in Schwab Auditorium on the University Park Campus. The program will feature music from Broadway, the big band era, Beatles favorites and a medley of Penn State songs.

Now in its 13th year,

The Singing Lions consists of 17 singers, three instrumentalists, two stage technicians, a staging assistant and a business manager. The Singing Lions are under the direction of Peter Kiefer, coordinator of Fred Waring's Young Americans.

Tickets for "Sing! Sing! Sing!" are \$5 for non-students; \$2 for students, and are available at the Eisenhower Auditorium Ticket Center, open 8:30 a.m. and 4:30 p.m., Monday through Saturday, and at the door the day of the performance.

### Slavic speaker

Clair Nolle, visiting professor of history from Bucknell University, will talk on "Training for Slavic Solidarity: The Czech Fokol and the Slavic Gymnastic Movement," Wednesday, April 28, at 12:10 p.m. in Sparks Building. Lunch will be brown bag or order out pizza. The public is invited.

### Opera workshop

The Penn State School of Music Opera Workshop will perform Mozart's one-act opera, "Bastien and Bastienne" and scenes from other Mozart operas at 3 p.m. Sunday, April 18, in Room 112 Kern Building on the University Park Campus.

The Opera Workshop is directed by Marshall Urban, instructor of music, and Karen Eckenroth, graduate student of music performance.

The performances are free to the public.



**It's all Business as Usual** as these dancers perform a piece of the same name choreographed by Ezra Kaufman, a Penn State dance instructor. The dance is part of the Spring 93 Choreography Showcase, which features works by Penn State instructors as well as students. The event, which also includes a guest appearance by jazz dancer Spence Ford, will be held Sunday, April 18, at 1 p.m. and 4 p.m. in the White Hall Dance Theatre at University Park.

### Music lecture

Brenton Broadstock, senior lecturer and head of composition at the University of Melbourne, Australia, will present a lecture, "Social Conscience as a Motivating Force in My Music," at 3:45 p.m. Tuesday, April 20, in the School of Music Recital Hall on the University Park Campus.

Mr. Broadstock, visiting fellow in the Australia-New Zealand Studies Center and guest of the Institute for the Arts and Humanistic Studies, is one of Australia's most frequently commissioned and performed composers. In 1982, he was appointed to the faculty of music at Melbourne University. Winner of numerous awards, he received, in 1990, a Composer Fellowship to attend the first Pacific Music Festival in Sapporo, Japan.

A composer interested in humanity and human concerns, Mr. Broadstock, unlike several of his contemporaries, has not set out consciously to express something specifically Australian in his music. His compositions include the symphonies "Toward the Shining Light," "Stars in a Dark Night" and "Voices from the Fire."

The lecture is free to the public.

### Symphonic Wind Ensemble

Smith Toulson, professor in the School of Music, will conduct the PSU Symphonic Wind Ensemble in its spring concert at 8 p.m. Wednesday, April 21, in the School of Music Recital Hall on the

# Arts

## Continued from Page 14

University Park Campus.

Featured on the program will be this year's winner of the annual Phi Mu Alpha Competition for Wind and Percussion Players, Douglas Stephens, who will perform the Sonata for Marimba by Peter Tannar. Mr. Stephens is a fourth semester student in music education, and a student in the percussion studio of Dan Armstrong.

In addition to the Tanner piece, the Symphonic Wind Ensemble will present a program of international music from the baroque to contemporary. A suite of dances titled *Le Journal du Printemps*, written by the German composer Johann Casper Ferdinand Fischer, a predecessor of J.S. Bach, will open the concert. The ensemble also will perform Dmitri Kabalevsky's *Overture to Colas Breugnot*, Henk Badings Transitions, Wallingford Riegger's *Dance Rhythms*, and Vadav Nelybel's *Prance to the Lord*, a setting of three familiar chorales.

### Symphonic Band

The Penn State Symphonic Band will perform its spring concert at 8 p.m. Saturday, April 17, in Eisenhower Auditorium on the University Park Campus. The Symphonic Band will be joined by featured trumpet soloist Robert M. Birch, principal trumpet and soloist with the U.S. Navy Band in Washington, D.C.

### Mini symposium

On April 22 and 23, the Department of Spanish, Italian and Portuguese, with the cooperation of the Institute for the Arts and Humanities Studies, will present a mini symposium on Federico Garcia Lorca and Blood Wedding. The event coincides with the URTC production of Blood Wedding on April 14-24.

Carlos Rojas, renowned Spanish-critic and novelist, and professor of Spanish literature at Emory University, will give a public lecture on April 22 at 8 p.m. titled "Lorca, Dalí and the Huallocinogenic Toreador." The lecture will be accompanied by a slide presentation.

A native of Barcelona, Professor Rojas is the author of 25 scholarly books including *Dinlogos para Otra Espana*, *La Guerra Civil Vista por los Exiliados*, *Retratos Antifranquistas* and *El Mundo Mitico de Salvador Dalí*. His research has focused on the history of modern Spain, writer Antonio Machado and painters Pablo Picasso and Salvador Dalí.

Professor Rojas visit coincides with the publication of his most recent book, *Salvador Dalí, or the Art of Spitting on your Mother's Portrait* by the Penn State Press.

### Ice Rhythms

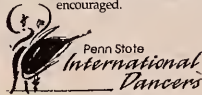
The Penn State Ice Pavilion on the University Park Campus will present "Ice Rhythms," an ice show directed by Dena Yeagley, at 7:30 p.m. Friday, April 23, and Saturday, April 24. The program will include solos by

visiting national and international figure skating competitors, featured Michael Chack, 1993 Eastern United States Senior Men's champion and 1993 U.S. Nationals Bronze medalist and international competitor, representing the Skating Club of Rockland, N.Y.

Also featured are Katie Wood and Joel McKeever, 1993 Senior Pairs Eastern Swiss Medallists and 1993 U.S. Nationals Fourth Place, representing the University of Delaware and the Dallas Figure Skating clubs.

The program also will include solos and group numbers by resident professionals and skaters from student and public programs.

Advance general admission tickets are \$4.50 for student/youth, and \$6 for adults. The advance tickets will be available now through Thursday, April 22, at the Penn State Ice Pavilion main counter. Tickets purchased April 23 and 24 will be \$6 and \$7. Tickets are available by mail. Call 863-4105. There is limited seating, so early purchase of tickets is encouraged.



### International Dancers

Experience the diversity of many nations with the Penn State International Dancers as they celebrate their 15th annual spring concert at 7:30 p.m. Saturday, April 24, in Eisenhower Auditorium on the University Park Campus.

The company's performance will include traditional songs and dances from around the world, representing countries such as India, Greece, China, Slovakia, and Egypt.

Tickets are on sale at the Center for Performing Arts box offices (863-0255) and are \$8.00 for general admission and \$5.00 for students. Tickets also are being sold by company members. A reception will be held following the concert. For more information call 863-3467.

### Concert for Peace

Jonathan Frakes, who plays Commander Riker on television's "Star Trek: The Next Generation," will be a guest performer in the "Concert for Peace" to be presented by the Penn State

Glee Club, Women's Chorus and faculty members in the School of Music at 8 p.m. Saturday, April 24, in Schwab Auditorium on the University Park Campus.

Co-sponsored by the School of Music and the Peace and Conflict Studies Association, the "Concert for Peace" will feature compositions by Vincent Persichetti, Leonard Bernstein and Bruce Trinkley, assistant professor of music. Mr. Frakes will be the guest speaker in a performance of Professor Trinkley's "War Prayer," a setting of Mark Twain's novella scored for chorus, brass and percussion.

Mr. Frakes, a native of Pennsylvania, graduated from Penn State in 1974. He continued his study in theatre arts at Harvard's Loeb Drama

Center, after which he appeared in numerous Broadway and off-Broadway productions. In addition to his role on "Star Trek," several episodes of which he will direct in the series' third season, he has appeared on "Falcon Crest," "Paper Dolls," "Bare Essence" and "The Doctors."

The Penn State Women's Chorus is under the direction of Lynn Drafall, assistant professor of music, and Elizabeth Tighman. The Penn State Glee Club is under the direction of Mr. Trinkley.

Tickets are \$10 for non-students, \$5 for students. For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

### Radio Book Review

Libri, The Radio Book Review, will air in the month of April at 6:30 p.m. Thursdays on WPSU, with Michael Svoboda, of Svoboda's Books in State College, as host. The following topics and books are scheduled for review: Tonight—*New Worlds, Ancient Texts: The Power of Tradition and the Shock of Discovery* by Anthony Grant. James Sweeney, professor of history, will be on hand to discuss how the discovery of the New World affected the Old World's attitudes toward it's classic texts and received wisdom.

April 22—*The Culture of Love: Victorians to Moderns* by Stephen Kern. Robert Louvy, associate professor of English, will be guest and talk about the social construction of romance in the Victorian era and its modern transformations.

April 29—*To Wake the Nations: Race in the Making of American Literature* by Eric J. Sundquist. Guest will be Carla Mulford, professor of English, to talk about how Sundquist argues for the centrality of race in a true understanding of America.

### Photo exhibit

An exhibition of photographs by John Rodenhansen will be held in Pattee Library's West Lobby Gallery from May 1 through May 18.

The exhibition will include black and white and color photographs documenting his experiences in southeast Alaska where he spent ten months as a commercial fisherman on salmon and shrimp boats and in a processing plant on land.

Mr. Rodenhansen, a senior in broadcast and cable, will graduate this spring and begin working with a sailing charter company in Annapolis, Md.

### Odyssey through WPSU

"Circular Bomb," the next episode of *Odyssey Through Literature* on WPSU, focuses on the novel *Petersburg* by the 20th-century Russian novelist Andre Bely.

Leonard Rubinstein's guest is John Malmstad, co-translator of *Petersburg* and chair of the Department of Slavic Languages and Literatures at Harvard University.

"One of the central issues with which Bely was fighting, was groping for in this novel," says Dr. Malmstad, "was the position of Russia as an entity poised between West and East. He's talking of two different modes of thought, as well as whole problems in what Bely would call consciousness.

"What makes the novel so fascinating in many ways is that Bely ultimately comes to see East and West, emotion and rationality, not so much as opposites but as opposite sides of a coin. What seem to be polar opposites turn out to be really the same thing, both of them partial and both of them destructive in ways that the characters only perceive when it's too late."

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WFSX-TV. It airs Wednesdays at 12:30 p.m. on WPSU, 91.1 FM.

### Festival 93

Nearly 3,100 families, businesses, and individuals throughout Central Pennsylvania pledged over \$185,000 in support of public television station WPSU-TV during its annual '93 fund raising event that concluded on March 21.

Although the station lost two days of the on-air drive because of the mid-March blizzard, viewers of the station rallied on the final weekend, pledging over \$35,000. Counting contributions that are mailed to the station from viewers who didn't make a telephone pledge, station officials are confident that the \$190,000 goal can be reached without adding any days.

"Once again our viewers responded to the value and importance of public television and came through with enormous generosity," Mark Erstling, WPSU general manager, said. "They realize that WPSU plays a vital role in their communities that enriches the quality of their lives."

Approximately one-fifth of WPSU's budget comes from community support through individual memberships and business underwriting of programming. In the coming year, WPSU will spend over \$1 million to purchase and produce programming that is shown on the channel.

### Guild exhibit

The Central Pennsylvania Guild of Craftsmen is celebrating "The Year of the American Craft" with its exhibition April 19-May 23 in the Art Alley Cases in the Hertzell Union Building on the University Park Campus. The exhibition is a multi media show of different crafts, pottery, jewelry, woodcarving, stained glass paintings, quilting, weaving and handmade paper.

The purpose of the guild is to encourage and promote crafts in Pennsylvania. The Central Pennsylvania Guild of Craftsmen conducts workshops, sponsors exhibits and a winter craft market in December, where both members and non-members have an opportunity to exhibit and sell their work.



School of Communications

# Two alumni to be honored in April as Fellows

Paul J. Levine ('69 Journ), a lawyer, journalist, teacher and novelist, and Jayne E. Miller ('76 Journ/BC), a senior investigative reporter at WBAL-TV (Baltimore), will visit the School of Communications April 19 to 23 to meet with faculty and students and will be honored as Alumni Fellows April 22 at the University Park Campus.

As a Miami trial lawyer, Mr. Levine is known as an authority on the First Amendment. He has taught communications law and has both written and appeared in an award-winning syndicated television program, "You & the Law." He also has written the syndicated newspaper column, "What's Your Verdict?" Prior to becoming a lawyer, he was a reporter for *The Miami Herald*.

His first novel, *To Speak for the Dead*, a courtroom tale set in Miami, was a national bestseller and was honored as one of the best mysteries of the year by the *Los Angeles Times*. *Night Vision* is a story of serial murder and psychological intrigue. Both books involve the adventures of Miami trial lawyer Jake Lassiter. Mr. Levine's third novel, *False Dawn*, will be published by Bantam this month. Written against the backdrop of actual events—economic turmoil and widespread art thefts in Russia—it is a murder mystery set in Miami and Havana. To research the book, the author traveled to Russia and Cuba.

As an undergraduate at Penn State, Mr. Levine, a native of Hughesville, Pa., served as editor of *The Daily Collegian* and won numerous national writing awards.

At the University of Miami Law School, he was a member of the National Moot Court championship in 1971 and graduated with honors in 1973. A former litigation partner in the Philadelphia-based national law firm of Morgan, Lewis & Bockius, he now devotes full time to writing.

Ms. Miller has been with WBAL-TV, Baltimore, for more than ten years; first as a general assignment reporter and, since 1989, as the consumer advocate/investigative reporter.

During her career in broadcast journalism, she has been a reporter with CBS News in Washington, where she covered the White House, Capitol Hill, and a wide range of domestic and international issues. She also covered state government for WQED-TV, Pittsburgh, and co-anchored a news program for the Pennsylvania Public Television Network. From 1976 to 1978, Ms. Miller was a reporter/anchor for WHP-TV, Harrisburg, Pa. She started her career as a reporter/photographer for the former Pennsylvania Mirror in Bellefonte, Pa.

Ms. Miller's work has won awards from the National Headliners, the Radio and Television News Directors' Association, Associated Press, United Press International, the Maryland Bar Association, Sigma Delta Chi, and the National Association of Black Journalists. In 1992, she was the co-organizer of a campaign to help the homeless which brought WBAL-TV a Gabrielle Award.

She is a member of the executive board of the



Paul J. Levine



Jayne E. Miller

American Federation of Television and Radio Artists, the board of the Penn State School of Communications Alumni Society, and the Penn State Club of Greater Baltimore, where she also serves as chair of its Scholarship Fund and has led the club's successful effort in endowing a scholarship.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and life-long.



## Holy cow!

Just a few short weeks ago during Superstorm 93, employees in the Department of Dairy and Animal Science worked around the clock to care for 1,500 animals and help deliver these two calves. Blizzard (shown left), a Holstein, and Snowflake, an Angus, are held by the men who delivered them, Myron Rudy (left) and Pete LeVan (center). Dick Todd, who assisted, is also in the photo.

## Two are appointed to Board of Trustees

Richard M. Walsh, of Scranton, who oversees computer information systems and telecommunications systems in state government agencies, and state Sen. Chaka Fattah, D-Philadelphia, have been appointed to the Board of Trustees.


Sen. Fattah is chairman of the Senate Education Committee. He has been a member of the General Assembly since 1983. Sen. Fattah, whose appointment expires July 1, 1994, replaces the late Samuel A. Breen.

Mr. Walsh was nominated to the board by Gov. Robert P. Casey and confirmed by the Senate. His term expires July 1, 1995. He fills a vacancy created when William A. Schreyer, a former governor's appointee, was later elected to the board of delegates from industrial societies. Mr. Schreyer is now board chairman.

Mr. Walsh is special assistant to the governor for telecommunications and technology systems, directing the acquisition, utilization and security of electronic data processing and telecommunications equipment for the executive branch of state government.

He is past president of Richard M. Walsh Associates Inc., a data processing company established in 1965 and serving business and government with offices in Scranton and San Diego. He currently is on leave from Walsh Associates.

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<p>PENN STATE</p>  <p><b>INTERCOM</b></p> <p>Department of Public Information 312 Old Main University Park, PA 16802 Address correction requested</p>	<p>NONPROFIT ORG. U.S. Postage PAID University Park, PA Permit No. 1</p>
<p><i>Intercom</i> is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-5717.</p>	
<p>William E. Campbell Jr., Editor Lisa M. Rosellini, Assistant Editor Kathy Norris, Calendar</p>	
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# INTERCOM

April 22, 1993

Volume 22, Number 29



**Going up . . .** A worker watches as a glider bearing the American flag and an evergreen tree is hoisted into the air to be placed at the top of a building in the University's Research Park as part of the topping-off ceremony held on April 14.

Photo: Greg Grieco

## Future Committee update given by Dr. Brighton

Almost 14 months after President Thomas appointed the University Future Committee, the group is preparing to submit its report.

The results of the 12-member committee's examination of the University and its recommendations for improving the academic reputation of Penn State will go to the President in early May. The Committee was appointed by President Thomas in March, 1992, following several years of consecutive cuts in state funding.

As the report is prepared for the President, various study groups and the Faculty Senate continue to examine some of the specific suggestions that have emerged during the process.

"President Thomas will receive a report containing many of the suggestions and proposals that the Committee has examined in the past year — much of it already covered widely by the press," John A. Brighton, executive vice president and provost, said. "However, the report he receives will not be 'final' in the sense that additional work still needs to be done. The Commonwealth Educational System, for instance, has embarked on a timetable for strategic planning that will take its work into the next fiscal year.

"Study groups such as the one being appointed to examine potential collaboration between the various colleges involved in education and research in the Life Sciences will continue to work for months after the Future Committee completes its work."

"The report in May is going to be different from what many people may

expect based on past experiences with University committees or study groups. There will not be much new information in it that has not already been reported widely in *Intercom* and the general press," Dr. Brighton added.

***The report from the Future Committee, due in May, will hold no surprises since most of the information has already been released.***

The Future Committee report to President Thomas will contain a number of proposals for academic changes that are still under consideration by the Senate Council.

"We plan to present the report to President Thomas in early May and shortly thereafter it will be distributed widely throughout the University," Dr. Brighton said.

The Future Committee has held numerous meetings during the past year with the heads of 23 budgetary units at Penn State, including all the academic deans and the vice presidents responsible for major administrative units. Each unit was asked to identify 10 percent in cuts from their general funds budget over the

See "Future" on Page 6

## University joins DuPont in total quality partnership

In a national competitive program sponsored by a consortium of business and academic leaders, Penn State has been selected to be a partner with DuPont in the 1993 Total Quality Business and Education Partnership program.

"We are delighted to have this opportunity to work closely with business leaders from DuPont to further develop Penn State's Continuous Quality Improvement initiatives," said John A. Brighton, executive vice president and provost. Dr. Brighton served as co-chair of a working council on the Practice of Total Quality in Colleges and Universities last winter for a business leaders forum. The group developed an overview of how the principles of Total Quality have been adopted in academic institutions to date.

As announced on Thursday, April 15, the Total

Quality Business and Education Partnerships were established by business to champion the teaching, research and practice of Total Quality in the nation's colleges and universities. Now in its second year, the program is designed to help the United States become more competitive in an increasingly global marketplace. Procter & Gamble is coordinating the program this year.

"Last week, faculty from the colleges of Engineering, Business, Science, Education and Agricultural Sciences and several University administrators met in focus groups with Ted Brown at DuPont to identify needs, concerns and expectations of a three- to five-day conference on Total Quality at DuPont headquarters this summer," said Louise Sandmeyer, executive director of Penn State's Continuous Quality Improvement Center.

Among the needs one focus group identified was to clarify the role of Continuous Quality Improvement in graduate research programs — how can CQI techniques be applied, how can CQI help to get a research team to function as a team and how do you reward and recognize group efforts and team participation. Another group identified the need to look at the whole educational process and how courses relate to each other.

"In the next few weeks, a design team of Penn State faculty and DuPont representatives will develop the summer program," Ms. Sandmeyer said. "It is likely to include case studies, general discussions and small group workshops on the application and integration of CQI in specific areas such as research and development and leadership. It looks like we will

See "Partners" on Page 3

## DIVERSITY



"The Ark," a mural work by premier artist and Distinguished Alumnus John T. Biggers, graces the Paul Robeson Cultural Center on the University Park Campus. This triptych print joins his mural "The Sharecroppers" as part of a permanent display. "The Ark" comprises three panels illuminated with many symbols of Africa and of African American life and culture, and is one of only 100 in a limited edition. Dr. Biggers recently visited University Park to talk with faculty, students and community residents

Photo: Greg Grieco

### DIVERSITY BRIEFS

#### Multicultural consultant to speak

Suzanne Anderson, a multicultural consultant and inspirational speaker with OSE Consultancy, Atlanta, Ga., will give two presentations today in the Paul Robeson Cultural Center on the University Park Campus.

From 1:30 to 3:30 p.m. Ms. Anderson will conduct a workshop titled: "African-American Women: Being the Gift That I Am!" and at 7 p.m. her presentation will be, "African-American Students: We are the Creators of Our Self-Esteem."

Ms. Anderson's visit is sponsored by the "S" Plan: Support, Survival and Success for African-American Students New to Penn State, with EO/PC Funding; Sigma Gamma Rho Sorority; and WomanCare, an EO/PC-funded project of University Health Services, dedicated to helping women students learn about and take responsibility for their health and well-being.

#### International Gala Festival

An International Gala Festival, featuring the culture and cuisine of at least five ethnic groups, will be held at the Penn State Ogontz Campus, from 5:30-8:30 p.m., Saturday, April 24 in Lates Cafeteria.

Students and faculty will present entertainment, including song and dance, throughout the evening. Cultures represented are Indian, Greek, Latin American, Korean and African American.

Admission, including food, is \$4.00 for adults; \$3.00 for students with I.D.; \$2.00 for children. Tickets are available in advance at the Woodland Office (881-7330), or may be purchased at the door.

#### Program on Administrative Fellows

Professional Women at Penn State will host the Commission for Women's Administrative Fellows Program with Ann Ard, senior diversity program analyst, as well as several current and past Administrative Fellows, on Tuesday, April 27, at University Park.

The program, which will include a historical overview of the program and provide first hand insights into the Administrative Fellows Programs, will begin at 11:45 a.m., in the Frizzell Room of Eisenhower Chapel, with an opportunity for informal networking. The presentation will begin at 12:10 p.m. followed by a question and answer session for interactions with the panel speakers.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women. The group welcomes attendance by both male and female persons in all job classifications at the University.

## New coalition to study feminism formed at University Park

A newly-formed Coalition for Multicultural Feminist Studies in Communications will bring together a number of feminist scholars committed to examining the interactions of gender, race, social class, and sexual identity in media and culture. The purpose of the coalition includes research, scholarship, and community outreach, and workshops and seminars are planned to address issues of media literacy, diversity and feminist pedagogy.

An upcoming inaugural workshop titled "Decentering Power/Negotiating Territories" is scheduled for Friday, April 23, from 9:30 a.m. to 5:30 p.m., in Room 333 Keller. The workshop will feature guest speakers Vanessa Williams of *The Philadelphia Inquirer*, Isabel Molina, of the Annenberg School of Communications, and Leola Johnson, of the University of Minnesota. The inaugural workshop, sponsored by the

Office of the Dean in the School of Communication, the Office of Multicultural Affairs in the School and the Center for Women Studies, is open to the public.

The coalition, the first of its kind in the nation, is comprised of members Kathy Frith, associate professor of advertising; Jeanne Hall, assistant professor of mass communication; Lisa Henderson, assistant professor of mass communication; Bette Kauffman, instructor, Deirdre Pribram, assistant professor of communication; Angharad Valdivia, assistant professor of communication, and Jeanne Brady, from the College of Education.

For more information about the coalition or the workshop, contact Ms. Hall at (814) 865-1481, or Ms. Valdivia at 865-3074.

## Human development professor to present at Scholars Forum

Sherry L. Willis, professor of human development, will make a presentation on "Maintaining Professional Competence: Adult Learning and Development through the Life Span" at the fourth Continuing Education Scholars Forum at 2 p.m. Thursday, April 29, in Colonial Room II of the Nittany Lion Inn on the University Park Campus. A reception will follow.

The forum, sponsored by Penn State Continuing Education, is open to the public. It is designed to encourage University faculty and staff members involved in research relevant to continuing education to share their perspectives with colleagues. Stephen J. Wright, assistant director for academic affairs for the Department of Independent Learning, is coordinator for the CE Scholars Forum.

Dr. Willis is nationally and internationally known in the field of adult development and aging for both her scholarship and participation in professional organizations. She will focus her presentation on issues related to keeping up-to-date in one's profession and her research findings on what happens to mental abilities as people age.

A member of the College of Health and Human

Development faculty since 1972, she has been at the forefront of research studying how much and under what conditions intellectual performance of older adults can be enhanced. For the past 15 years as director of the Adult Development and Enrichment Project (ADEPT), she has demonstrated through 10 separate studies that the intellectual abilities that show the earliest onset of decline can be significantly improved through behavioral intervention.

She is a Fellow of the American Psychological Association (divisions 15 and 20), the Gerontology Society of America and the American Psychological Society. In 1992, she was awarded the Pattenhall Distinguished Research Award from the College of Health and Human Development.

For more information about Continuing Education Scholars Programs and/or to participate in future forums, which are held once a semester, contact Donna S. Queezy, director of Research and External Relations for Continuing Education, at (814) 863-7752.

### OBITUARIES

Emerson L. Gundall, retired professor of engineering research at the Applied Research Lab, died March 5 at the age of 76.

He was a 1938 graduate of Olivet College in Michigan, and received his master's degree from Michigan State University in 1947. From 1951 to 1979, he was an applied physicist at the Applied Research Laboratory. After his retirement in 1979, he was a business counselor.

He was a member of the Mathematical Association of America, the Acoustical Association of America, Kappa Sigma fraternity, Phi Alpha Omega mathematical fraternity, and the Sigma Psi Honorary Society of Mathematics and Education.

Robert B. Gruver, maintenance worker, utility, at the Penn State Wilkes-Barre Campus since Aug. 13, 1984, died March 17 at the age of 59.



# LECTURES

## Physics professor is Mueller memorial lecturer

Leo M. Falicov, professor of physics at the University of California, Berkeley, will present the 1993 E.W. Mueller Memorial Lecture at 8 p.m. Thursday, April 29, in 117 Osmond Laboratory on the University Park Campus.

The lecture, "The Nobel Physics Prizes in the 20th Century: A Century of Social, Political, and Scientific Change," will be followed by a Physics Colloquium, "Magnetic Metallic Multilayers," at 11 a.m. Friday, April 20, in S-5 Osmond Laboratory. The presentations, sponsored by the Eberly College of Science's Department of Physics, are free to the public.

Dr. Falicov, one of the foremost physicists in the field of condensed matter physics, has interests in the area of electronic properties of solids, liquids, molecules, surfaces, and interfaces. He is world-renowned for his theoretical work on quantum behavior in solids and was instrumental in laying the foundations and confirming the results of much of what we now know to determine the electronic behavior of materials. He also has made significant contributions in the area of superconductivity.

Dr. Falicov, who was born in Buenos Aires, received most of his education in Argentina, with a degree in chemistry from the University of Buenos Aires and a doctorate in physics from the Instituto Balseiro in Bariloche. After two years in Cambridge, England, where he obtained a second doctoral degree, he moved to the United States in 1960. He has spent his

career at two institutions: the University of Chicago from 1960 to 1968, and the University of California, Berkeley, from 1968 to the present.

A member of the National Academy of Sciences, he also holds memberships in the Danish Academy of Sciences and Letters, the Argentina Academy of Natural Sciences, and the Third World Academy of Sciences.

The E.W. Mueller Memorial Lecture is named in honor of Erwin W. Mueller, a member of the Department of Physics from 1952 until his death in 1977. A world-famous researcher, his first major achievement was the invention of the field emission microscope in 1936. In 1951, he became the first person to "see" atoms when he invented the field ion microscope, providing the first clear view of crystals on an atomic scale. He again significantly advanced microscopy in 1967 with his invention of the atom-probe field ion microscope, an instrument that enables scientists to distinguish different isotopes of elements.



Leo M. Falicov

## PR specialist to talk on female athletes and the media

University alumna Gayle Plant, a public relations specialist with the United States Olympic Committee (USOC), will speak on "The Female Athlete and the Media: A Look Behind the Scenes" at 5:15 p.m. Friday, April 30, in the Keller Conference Center on the University Park Campus.

Ms. Plant is the keynote speaker for a conference on "Medical and Orthopedic Issues of Active and Athletic Women" being sponsored by the Center for Sports Medicine April 30-May 1. Her presentation will be open to the public at no charge; however, registration is required for those wishing to attend other portions of the conference.

As assistant director of public information and media relations with the USOC at the Olympic Training Center in Colorado Springs, Col., Ms. Plant coordinates USOC news releases and information distribution. After gaining a start in sports journalism at Penn State, she worked in sports information at Northwestern University and the

University of Florida before joining the USOC in 1983.

She served as the village press officer for the U.S. delegations at both the 1992 Olympic Games in Barcelona, Spain, and Albertville, France. She also has handled press operations at three World University Games, two Pan American Games, three other Olympic Games and seven U.S. Olympic Sports Festivals.

Ms. Plant is a member of the Association of Women in Sports Media, the National Sportswriters and Sportscasters of America and the College Sports Information Directors of America.

Nearly 20 specialists in sports-related medical, psychological and nutritional topics from Penn State, other universities and other institutions will present papers in the conference's professional segments. The two-day program is designed for primary care physicians, health care workers, physical therapists and athletic trainers.

## Partners

### Continued from Page 1

have the opportunity to send as many as 100 faculty to the summer program."

Penn State established its University Council on Continuous Quality Improvement in November of 1991 and the Continuous Quality Improvement Center in April, 1992. Since then, more than 60 CQI teams have been put in place or are in progress in both academic and administrative units of the University, and education and training opportunities are offered to Penn State faculty and staff throughout the University.

In the Industrial and Management Systems Engineering department in the College of Engineering, Total Quality has become an integral part of several undergraduate courses and a course on "Total Quality

Systems" is offered at the graduate level. The Smeal College of Business Administration has integrated Total Quality in several parts of its MBA program and the College of Education is offering a seminar on Total Quality in conjunction with its Center for Total Quality Schools.

"Our partnership with DuPont will enable us to explore and learn about new ways to integrate and apply Continuous Quality Improvement within the University," Dr. Brighton noted.

Other Pennsylvania universities selected for the 1993 Total Quality Business and Education Partnership program are the University of Pittsburgh, which is one of four universities paired with Westinghouse, and Carnegie Mellon University, which is in its second year of a partnership with Xerox.

## NASA official to give overview

John B. Malone, chief, Structural Mechanics Division, NASA Langley Research Center, will present an "Overview of Structural Mechanics Research at NASA Langley Research Center" on Tuesday, May 4, 1:25-2:20 p.m. in 232 Hammond Building.

Dr. Malone will discuss NASA research facilities and current research including composite structures, thermal structures, spacecraft structures, aerothermal loads and computational mechanics. He will highlight current focused research programs combining the efforts of industry, universities and NASA, including the Advanced Composites Technology Program, the High-Speed Research Program, and the Aircraft Structural Integrity Program.

The public is invited to attend. A pre-lecture reception will begin at 1 p.m. in the Department of Aerospace Engineering.

## Canadian scientist to speak

Canadian scientist Raymond A. Price will present the 1993 Muan Distinguished Lecture in the Department of Geosciences at 4 p.m. Tuesday, April 27, in Room 112, Walker Building on the University Park Campus. He will discuss "Plate Tectonics and the Evolution of the Western Canada Sedimentary Basin."

Dr. Price served as director general of the Geological Survey of Canada from 1981-87, and subsequently as assistant deputy minister of Energy, Mines and Resources, Canada. He was elected as president of the Geological Society of America in 1990.

Currently a professor at Queen's University, Ontario, where he was formerly head of the Department of Geological Sciences, he is a Fellow of the Royal Society of Canada, a Foreign Associate of the U.S. National Academy of Sciences, and an honorary Fellow of the European Union of Geosciences.

The Muan Distinguished Lectureship was established in 1971 to honor the late Amulf Muan, professor of geochemistry and materials science and former associate dean for research in the College of Earth and Mineral Sciences.

## CARPPOOL

Jay is looking for a carpool from Phillipsburg to University Park. Work hours are Monday through Friday, 8 a.m.-5 p.m. Call 865-2964 or 342-2549.

## PARTINGS

Patricia A. Sandoe, staff assistant VI at Hershey Medical Center, from Oct. 1, 1981, to Jan. 9.

Maryann Emel, table attendant at the Nittany Lion Inn, from March 30, 1980, to Jan. 11.

Gary B. Stover, studio specialist in Continuing Education, from Oct. 1, 1966, to March 1.

Samuel W. Winters, lead roofer, carpenter in Office of Physical Plant, from July 24, 1972, to Mar. 20.

APPOINTMENTS

James K. Breakall, associate professor of electrical and computer engineering, has been named the Charles H. Fetter Fellow in Electrical Engineering.

"Jim Breakall is an innovator in antenna design," said David N. Wormley, dean of the College of Engineering. "Current technology and our students both benefit from his expertise and contributions."



James K. Breakall

Dr. Breakall is a designer and builder of antennas who most recently invented the 3-Dimensional Frequency-Independent Phased-Array (3D-FIPA), a nested phased-array configuration that stretches the boundaries of current antenna technology. He has a patent pending on the design.

A member of Communications and Space Sciences Laboratory, he is principal investigator of several major research projects involving the analysis and modeling antennas. He holds a split appointment with the Applied Research Laboratory.

Dr. Breakall joined the University faculty in 1989 after a year as associate professor in the Electrical and Computer Engineering department, Naval Postgraduate School, in Monterey, CA.

From 1983-88, he was a project engineer with the Lawrence Livermore National Laboratory. While there, he developed and applied electromagnetic computer modeling codes, specifically the Numerical Electromagnetics Code (NEC). He also created experimental techniques for various problems involving antenna analysis and design.

Earlier, as part of his Ph.D. research, Dr. Breakall worked at the National Astronomy and Ionospheric Center, Arecibo, Puerto Rico. There he helped to calibrate, design and characterize the facility's 1,000 foot dish antenna. The treasurer and an editor and founder of the Applied Computational Electromagnetics Society, he is a member of the IEEE Antennas and Propagation Society, Eta Kappa Nu, and URSI Commission B (International Union of Radio Science).

Dr. Breakall has three degrees in electrical engineering: a Ph.D. from Case Western Reserve University and master's and bachelor's degrees from Penn State.

The Fetter Fellowship was endowed through a bequest of Charlie Fetter, a 1917 Penn State electrical engineering graduate.

Helen E. Caffrey has been appointed director of Commonwealth Relations within the Office of the Senior Vice President and Dean for the Commonwealth Educational System.

She will work closely with the various University constituencies throughout Pennsylvania, including alumni, friends and local



Helen E. Caffrey

campus advisory boards. She will represent the University's capabilities and strengths to many various communities.

Her duties also include serving as liaison among the Commonwealth Educational System, The Milton S. HERSHEY Medical Center, Penn State Harrisburg, the Alumni Association Office and the Office of Governmental Affairs.

"I am delighted to welcome Helen to the Penn State community," Robert Dunham, senior vice president and dean of the Commonwealth Educational System, said. "She has an excellent understanding of higher education and a wide experience in the workings of various networks such as state and county governments."

Prior to her appointment, she was the executive director of the Pennsylvania Senate Education Committee. Among her responsibilities were developing legislative policy initiatives relating to basic, special and higher education; making recommendations on proposed regulations from state education agencies and boards, and serving as liaison with Commonwealth and local agencies and associations.

A resident of Camp Hill, Ms. Caffrey has a B.A. degree from Goucher College in Towson, Md., and an honorary doctorate from Lebanon Valley College.

She was co-chair of the Prior Steering Committee for the Legislative Education Staff Network and a staff chair of the Assembly on the Legislature. In the community, she has served as president and board member of the Historic York Inc., a building and neighborhood historic preservation group.

James M. Rambeau, associate dean for undergraduate education and associate professor of English and American studies in the College of the Liberal Arts, has been appointed director of the University Scholar's Program, effective May 1.



James M. Rambeau

Dr. Rambeau will maintain his position as associate dean. The current director, Gerard A. Hauser, has accepted the position of professor and chair of the Department of Communication at the University of Colorado at Boulder.

"I am delighted that Dr. Rambeau has agreed to take on this additional responsibility," C. Gregory Knight, vice provost and dean for undergraduate education, said. "Dr. Rambeau is firmly committed to the program as shown when he served as acting director last year, and he will continue the fine traditions of the program—traditions that began with the program's inception under the leadership of former Director Paul Axt and continued under Dr. Hauser."

Dr. Rambeau has served as associate dean since February 1992. During his tenure with Undergraduate Education, he has maintained oversight responsibilities for curricular initiatives such as general education, cultural diversity, and writing-across-the curriculum. He has been instrumental in the continued development of the Undergraduate Research Program at Penn State, and convokes the Bachelor of Philosophy Degree

Program Committee.

He is an active member of the University Faculty Senate Committee on Undergraduate Instruction, the Administrative Council on Undergraduate Education, and the International Council.

Dr. Rambeau received an A.B. degree from Kenyon College and his Ph.D. degree from Rutgers University, and has been a faculty member in the Department of English since 1970.

Two directors have been appointed in Continuing Education. C. Suzanne Wrye has been named director of health care program development, and Melinda Morgan Stearns has been named director of client development.

Dr. Wrye has been interim director of Health Care Program Development since 1990. She will work with Continuing Education's Office of Marketing Research to identify target audiences and determine the potential educational needs of health care professionals. In 1987, she joined the Health Care Program Development Office as an assistant professor of health education. She also has been an instructor in nursing and a hospital staff nurse.

Dr. Wrye holds a diploma in nursing from Frostburg State University and a diploma in nursing from the Pennsylvania State University Hospital School of Nursing in Pittsburgh; a bachelor's in nursing from Penn State; a master's in nursing from the University of Arizona, and a doctorate in health education from Penn State.

Ms. Stearns is filling the newly created position of director of client development.

Her primary focus is on developing strategies to build relationships with associations, corporate groups and businesses, using a variety of methods, including distance education, on-site management training and conferences and programs.

She is working throughout the Continuing Education system, teaching outreach staff how to develop and maintain long-term relationships with external clients of Penn State's continuing education programs. She also is providing customer service training for various areas within Continuing Education.

Prior to joining Continuing Education in 1991, she provided administrative support for the Division of Research Institutes and Centers in The Smal College of Business Administration. From 1975-89, she served as a marketing representative and manager for Armstrong World Industries. Ms. Stearns is a Penn State graduate with a degree in speech communication.



Melinda Morgan Stearns



C. Suzanne Wrye

# Faculty members edit abundance of publications

University faculty members edit or co-edit 130 academic and professional journals, according to a Spring 1993 survey by the Office of University Relations, up from 85 disclosed in a similar survey five years ago.

Forty-three of these periodicals are housed at Penn State and receive varying degrees of support from the University, ranging from clerical assistance and office space to publication subsidies. Thirty-seven journals claimed the University as their official academic home five years ago.

The number of faculty serving as editors or co-editors has increased from 74 to 111. In some cases, faculty members edit more than one journal.

The following list includes editors and editors-in-chief. It denotes co-editors only when they represent the highest editorial rank. Newsletters are not included.

## COLLEGE OF AGRICULTURE

David J. Beattie, associate professor of ornamental horticulture, editor, *Perennial Plants*; Robert M. Crossweller, associate professor of tree fruit, editor, *The Pennsylvania Fruit News*; Charles W. Heuser, associate professor of horticultural physiology, editor, *Proceedings of the International Plant Propagators Society*; Audrey N. Maretzki, professor of food science and nutrition, editor, *Journal of Nutrition Education*; Timothy J. Rollins, assistant professor of agricultural and extension education, editor, *Journal of Agricultural Education*; Stephen J. Wallner, head, Department of Horticulture and professor of horticulture, editor, *Plant Stress*.

## COLLEGE OF ARTS AND ARCHITECTURE

Mark Fearnow, assistant professor of theatre arts, associate editor, *Communications from the International Brecht Society*; Hellmut Hager, head, Department of Art History and distinguished professor of art history, general editor, *Papers in Art History from The Pennsylvania State University*; Heinz K. Hentsch, professor of physics and research professor of history of photography, editor,

*The Materials Research Bulletin*; John D. Kissick, assistant professor of art, editor, *The Penn State Journal of Contemporary Criticism: A Regional Journal of Contemporary Art and Ideas*; Susan S. Munshower, instructor of art history, managing editor, *Papers in Art History from The Pennsylvania State University*.

## COLLEGE OF EARTH AND MINERAL SCIENCES

Eric J. Barron, director, Earth System Science Center and professor of geosciences, co-editor, *Global and Planetary Change*; Susan L. Brantley, associate professor of geosciences, editor, *Chemical Geology*; Peter Deines, professor of geochemistry, editor, *Isotope Geosciences*; Turgay Ertekin, chair, petroleum and natural gas engineering section and professor of petroleum and natural gas engineering, editor, *SPE Formation Evaluation Journal*; Charles A. Langston, professor of geophysics, editor, *Bulletin of the Seismological Society of America*; Diana Liverman, associate professor of geography, co-editor, *Global and Planetary Change*; Gary L. Messing, director, *The Particulate Materials Center*

and professor of ceramic science and engineering, editor, *Journal of American Ceramic Society*; Diane K. Smith, professor of mineralogy, editor, *Plaster Diffraction*; Charles P. Thornton, professor of petrology, editor, *Geochemistry International*; Peter A. Throver, professor of materials sciences, editor, *Carbon*.

## COLLEGE OF EDUCATION

Stanley B. Baker, professor of education, editor, *The School Counselor*; Glendon W. Blume, associate professor of education, co-editor,

*1992 Yearbook of the Pennsylvania Council of Teachers of Mathematics*; Lois M. Campbell, assistant professor of education, co-editor, *Excellence in Science Teacher Education and Enhancement*; Dianne L. Common, head, curriculum and instruction and professor of education, editor, *Journal of Educational Administration and Foundations*; Ellen S. Fabian, assistant professor of education, editor, *Newsletter of the National Council of Rehabilitation Education*; Roger L.

Geiger, professor of education, editor, *The History of Higher Education Annual*; Henry Giroux, Waterbury Chair Professor in secondary education, co-editor, *Review of Education and Cultural Studies*; Libby Goodman, associate professor of special education, editor, *The Special Education Administrator*; Daniel D. Hale, assistant professor of education, editor, *Children's Literature Assembly Bulletin*; James T. Herbert, director, Rehabilitation Services Education Programs and assistant professor of education, co-editor, *Journal of Rehabilitation Education*;

Edwin L. Herr, associate dean for academic programs and research and distinguished professor of education, editor, *Journal of Counseling Development*; J. Daniel Marshall, associate professor of education, co-editor, *Teaching Education*; Michael C. Moore, associate professor of education, editor, *American Journal of Distance Education*; Robert F. Nicely, associate dean, continuing and commonwealth education and outreach programs and professor of education, editor, *Pennsylvania Educational Leadership*; James L. Ratcliffe, director and senior scientist, Center for the Study of Higher Education and professor of education, editor, *Journal of General Education*; David W. Saxe, in charge, social studies education and assistant professor of education, co-editor, *Handbook on Teaching Social Issues*; Patrick Shannon, in charge, language and literacy education and professor of education, co-editor, *Review of Education and Cultural Studies*; Paula Short, associate professor of educational administration, editor, *Journal of School Leadership*; Patrick T. Terenzini, senior scientist, Center for the Study of Higher Education and professor of education, editor, *New Directions for Institutional Research*.

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Russell F. Messier, professor of engineering science and mechanics, editor, *Diamond and Related Materials*; Carl Mitcham, director, Science, Technology and Society Program and associate professor of philosophy, editor, *Research in Philosophy and Technology*; Allan D. Pierce, Leonard Professor of acoustics and mechanical engineering, co-editor, *Journal of Computational Acoustics*; Frank W. Schmidt, professor emeritus of mechanical engineering, editor, *International Journal of Heat and Fluid Flow*; Richard F. Unz, professor of civil and environmental engineering, editor, *Applied and Environmental Microbiology*; Vijay K. Varadan, director, Research Center for the Engineering of Electronic and Acoustic Materials and Devices and distinguished alumni professor of engineering science and mechanics and electrical engineering, co-editor, *Journal of Wave-Material Interaction*, co-editor, *Smart Materials and Structures*;

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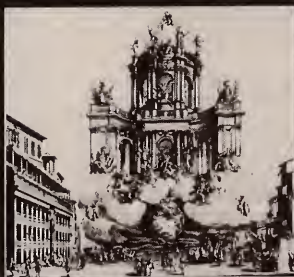
William P. Andrew, director, Center for Hospitality, Tourism and Recreation Research and assistant professor of hotel, restaurant and institutional management, editor, *Journal of Hospitality Financial Management*; Helen A. Guthrie, professor emerita of nutrition, editor, *Nutrition Today*; Janine A. Morse, professor of nursing and behavioral science, editor, *Journal of Qualitative Health Research*; Carolyn U. Lambert, associate professor of food systems management, co-editor, *Hospitality Research Journal*.

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*Physical Chemistry*; Frank Deutsch, professor of mathematics, editor, *Approximation and Optimization*; Gordon A. Hamilton, professor of chemistry, editor, *Biorganic Chemistry Journals*; Thomas J. Jech, professor of mathematics, managing editor, *Annals of Pure and Applied Logic*; Ganapati P. Patel, director, Center for Statistical Ecology and Environmental Statistics and distinguished professor of mathematical statistics, editor, *Journal of Environmental Statistics*; Yakov B. Pesin, professor of mathematics, editor, *Ergodic Theory and Dynamical Systems*; William A. Steele, distinguished professor emeritus of chemistry, editor, *Lingua*.

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## PENN STATE HARRISBURG

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## UNIVERSITY LIBRARIES

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## COMMONWEALTH EDUCATIONAL SYSTEM

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### DELAWARE COUNTY CAMPUS

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### HAZLETON CAMPUS

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Barbara Unapther, assistant professor of speech communication, editor, *Proceedings of the Pennsylvania Association of Two-Year Colleges*.

### SHENANGO CAMPUS

John Tamplin, assistant professor of English, editor, *The Eastern Community College Social Science Association Journal*.

### WORTHINGTON SCRANTON CAMPUS

Mariene A. Soulsby, associate professor of German and humanistic studies, editor, *Time's News*.

—Compiled by Amy E. Peters

\*Housed at Penn State.

# Future

## Continued from Page 1

next three years.

The units also were asked to identify funds for enhancement in the event sufficient funds are available. This will depend in large part on the state of the economy, the state appropriation, tuition levels and other sources of funds available to the University.

"The changes we are suggesting will have an important impact on Penn State students, faculty and staff," Dr. Brighton said. "We have received hundreds of letters and memos with suggestions during the past year and have conducted scores of meetings with the general public and with specific groups such as the academic department heads. Meetings with student leaders and others continue to be held each month.

"As the University moves forward with many of these ideas, in particular starting with the next fiscal year, it will do so with the broadest possible representation."

Nationally, and in Pennsylvania, colleges and universities with budget

**"We will not know what the state appropriation holds for 1993-94 for Penn State until this summer."**

John Brighton  
executive vice president

deficits are grappling with difficult choices in an attempt to make up dollars. Many are laying off employees and faculty. Penn State has avoided layoffs related to the work of the University Future Committee despite the fact that it was required to return \$12.6 million to the state in 1990-91 and \$9.1 million in 1991-92. During the current fiscal year, the state appropriation for Penn State included a \$9.5 million permanent reduction.

The Future Committee process, as outlined by President Thomas in the spring of 1992, was aimed at putting the University out in front of any potential budget shortfalls and at the same time providing reallocated internal funds that can be used to move Penn State forward in difficult times.

"We will not know what the state appropriation holds for 1993-94 for Penn State until this summer," Dr. Brighton said, "but the long hours the Future Committee has put into this difficult process will help make the University's goal of excellence attainable."

"The reallocation of funds internally, and the earlier hiring freeze imposed by the President, have enabled the University to identify funds that will be reinvested in an institution known for its quality."

## Committed to a drug-free working environment

Alcohol and other drug abuse on college campuses is widespread. This trend is having adverse effects on students, faculty and staff nationwide. Drug abuse is draining — financially, emotionally and academically.

Through the Drug-Free Workplace Act of 1988, the Drug-Free Schools and Communities Act of 1986 and amendments to both acts, the federal government has agreed on institutions of higher education to become active participants in the national campaign against drugs. Penn State is committed to providing a living, learning and working environment that is free from substance abuse. Your input and involvement are central to the achievement of this goal.



President Joab Thomas

## Changes in Alcohol/DUI Laws

This year brought some revisions in both the Pennsylvania Motor Vehicle Code and the Pennsylvania Crimes Code related to for chemical tests to determine one's blood alcohol level as well as tests to determine if a beverage contains alcohol. These pertain to both DUI and underage drinking offenses. For further information see Page 4, columns 4-5.

## About this publication . . .

*This publication is presented in compliance with the Higher Education Act of 1965 as amended by the Drug-Free Schools and Communities Act of 1989. This insert contains a wide range of information for faculty and staff about policies, programs, resources, health issues, and legal aspects of alcohol and other drug use. It is intended to serve as a reference and guide for all members of the Penn State community as we work together toward the elimination of alcohol and other drug problems.*

## Ordering information

Additional copies of this publication are available by calling the Office of Human Resources, Faculty/Staff Health Promotion Division at (814) 865-3085. A similar publication, *Drug Prevention '93*, has been distributed to all University students. Any faculty or staff member who would like a copy of the student publication may call the Office of Health Promotion and Education at (814) 863-0461.

## Inside...

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- SMOKING POLICY EXCERPTS 8
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# FOCUS ON Alcohol and Other Drugs 1992 - 1993

## Hallucinogens: A Blast from the Past

The 1990s have seen a resurgence in the use of psychedelic drugs, especially the old-time favorite, LSD, as well as a relatively new drug, Ecstasy. The dramatic increase is attributable to the continued use of LSD and other hallucinogens by people with well-established habits as well as the growing number of people experimenting with mind-altering drugs for the first time and then continuing their use on a regular basis.

The 1991 National Household Survey on Drug Abuse reported that 8% of respondents had used a hallucinogen in their lifetime and LSD was the most likely choice, with almost 6% of those over age 12 having used it at least once. Hallucinogen use in the past year was most common among 18 to 25-year-olds and males were more likely users than females. Overall, hallucinogen use in the past year was equally common among employed and unemployed individuals and just as likely to occur in small and non-metropolitan areas as large metropolitan areas throughout the United States.

The psychedelic effects of LSD were first noted in the 1930s and, during early studies in the 1950s, many of the drug researchers began using LSD themselves. The use of LSD as a recreational drug grew in popularity in the 1960s when researchers such as Timothy Leary and other psychologists at prestigious universities began publicizing their pleasant experiences with "tripping." During this time, LSD was called everything from a wonder drug to "your worst nightmare." Gradually, the reputation of LSD became more tainted and its use declined. Recently, there has been a resurgence of use among adolescents and adults.

Ecstasy, a synthetic compound related to both mescaline (a hallucinogen) and amphetamines ("uppers"), is one of the new group of drugs known as designer drugs. Interestingly, Ecstasy was not a new drug when it first received widespread notice in the mid-1980s. The drug made its first appearance in the early 1970s and

## The 1990s have seen a resurgence in the use of psychedelic drugs, especially LSD.

was known as the "love drug." Beginning in the 1990s, Ecstasy was the party drug of many dance clubs in New York City and has now become popular across the country.

The effects and health risks associated with LSD and Ecstasy are included in the chart on page 3. While the use and potential health risks of these drugs may not seem as great as those of alcohol, tobacco and other "legal" drugs, the recent increase in their popularity has raised justified concern among mental health and law enforcement professionals as well as employers and educators nationwide.

## Resources for faculty and staff

Any employee or supervisor in need of assistance or advice related to alcohol and other drug problems should contact:

- Office of Human Resources:  
Faculty/Staff Health Promotion Division:  
(814) 865-3085
- Employee Relations Division: (814) 865-1412
- Campus Health Services
- Human Resources representatives
- Directors of Business Services

## Community resources

A variety of services is available in most communities to assist people with alcohol and other drug problems. These services range from crisis intervention, self-help programs, and individual counseling services to in-patient residential programs.

Often, alcohol and other drug services are listed in the human services section of the local telephone directory. The white pages usually provide local phone numbers for Alcoholics Anonymous, Narcotics Anonymous, Al-Anon and other self-help programs. Several toll-free numbers which provide assistance and information are listed on this page. An annotated listing of alcohol and other drug services in the Central Pennsylvania region may be obtained by calling the Faculty/Staff Health Promotion office at (814) 865-3085.

Insurance coverage for alcohol and other drug treatment

University faculty and staff who are eligible for

Please see "Resources" on Page 10

## Legal sanctions

Continued from Page A2

(solid or subsequent crack conviction and the amount of crack possessed exceeds 1 gram.

■ **21 U.S.C. 844(a)**:  
Civil fine of up to \$10,000; pending adoption of final regulations.

■ **21 U.S.C. 853(a)(2) and 881(a)(7)**:  
Forfeitures

Forfeiture of personal real property used to possess or to facilitate possession of a controlled substance if that offense is punishable by more than one year imprisonment (see special sentencing provisions re: crack)

■ **21 U.S.C. 881(a)(4)**: Forfeitures  
Forfeiture of vehicles, boats, aircraft or any other conveyance used to transport or conceal a controlled substance.

■ **21 U.S.C. 853(a)**: Prohibited Acts C  
Denial of federal benefits, such as student loans, grants, contracts, and professional and commercial licenses, up to one year for first offense, up to five years for second and subsequent offenses.

### Miscellaneous:

Revocation of certain federal licenses and benefits, e.g. pilot licenses, public housing tenancy, etc. are vested within the authorities of individual federal agencies.

### Pennsylvania Penalties and Sanctions

Pennsylvania penalties and sanctions for illegal possession and distribution of controlled substances are outlined in the Controlled Substance, Drug, Device and Cosmetic Act. All controlled substances are listed in Section 4 (Schedule of Controlled Substances), Section 13a (Prohibited Acts); Penalties describes 37 prohibited acts. Penalties for violations are listed in 13b-1n.

### Misdemeanors

■ **13A(12)**: Misrepresentation  
It is unlawful for a person to acquire or obtain possession of a controlled substance by misrepresentation, fraud, forgery, deception, or subterfuge.  
Penalty: imprisonment for one year, fine of

\$5,000, or both.

■ **13A(16)**: Possession  
It is unlawful for a person to knowingly or intentionally possess a controlled or counterfeit substance unless he is registered under the act or obtains it by a valid prescription.  
Penalty: imprisonment for one year, a fine of \$5,000, or both in the case of a first offense. Imprisonment for three years or a fine of \$25,000, or both for second offense.

■ **13A(31)**: Possession and distribution of a small amount of marijuana (30 grams marijuana or 8 grams hashish)  
It is unlawful for a person to possess a small amount of marijuana for personal use, to possess with the intent to distribute it, or to distribute it.  
Penalty: imprisonment for 30 days, a fine of \$500, or both.

■ **13A(32) and 33**: Use and delivery of paraphernalia  
It is unlawful for a person to use, to deliver, or to possess with the intent of using or delivering paraphernalia (such as grow kits, pipes, needles, and roach clips) to grow, conceal or ingest drugs.

Penalty: imprisonment up to one year, a fine of \$25,000, or both.

■ **13A(32)**: Delivery  
It is unlawful for a person to manufacture, deliver or possess with intent to manufacture or deliver a controlled substance by a person not registered under the act.  
Maximum penalties: In the case of most products, imprisonment for 15 years, a fine of \$20,000, or both in the case of most hallucinogens; imprisonment for five years, a fine of \$15,000, or both in the case of most drugs; imprisonment for three years, a fine of \$10,000, or both. When a conviction occurs, the district attorney may also proceed under drug trafficking statutes of the Pennsylvania Crimes Code (18 P.A.C.S.), in which case mandatory minimum penalties may be enacted.

### Felonies

■ **13A(13)**: Delivery  
It is unlawful for a person to manufacture, deliver or possess with intent to manufacture or deliver a controlled substance by a person not registered under the act.  
Maximum penalties: In the case of most products, imprisonment for 15 years, a fine of \$20,000, or both in the case of most hallucinogens; imprisonment for five years, a fine of \$15,000, or both in the case of most drugs; imprisonment for three years, a fine of \$10,000, or both. When a conviction occurs, the district attorney may also proceed under drug trafficking statutes of the Pennsylvania Crimes Code (18 P.A.C.S.), in which case mandatory minimum penalties may be enacted.

■ **18 P.A.C.S. 6306**: Definitions  
"Furnish" means to supply, give or provide to, or allow a minor to possess on premises or property owned or controlled by the person charged.

### Alcohol

The laws of Pennsylvania concerning the possession or distribution of alcoholic beverages are part of 18 P.A.C.S. (Pennsylvania Crimes Code). Examples of violations and their

respective sanctions are as listed below.

■ **18 P.A.C.S. 6308**: Purchase, consumption, possession or transportation of liquor or malt or brewed beverages  
A person commits a summary offense if, being less than 21 years of age, attempts to purchase, purchase, consume, possess or knowingly and intentionally transports any (alcohol), liquor, or malt beverages within the Commonwealth.

Penalty: maximum penalty 90 days imprisonment; additional penalty for subsequent offenses; minimum penalty 30 days imprisonment; immediate suspension of operator's license for 90 days; one year license suspension for subsequent offenses.

■ **18 P.A.C.S. 6309(a)**: Representing that minor is of age  
A person is guilty of a misdemeanor of the third degree if he knowingly, willfully, and falsely represents to any licensed dealer, or other person, any minor to be of full age, for the purpose of inducing any such licensed dealer or other person to sell or furnish any intoxicating liquor to a minor. Penalty: maximum penalty one year imprisonment; minimum penalty \$300 fine; no suspended sentence; immediate suspension of operator's license for 90 days; one year license suspension for subsequent offenses.

■ **18 P.A.C.S. 6310.1(a)**: Selling or furnishing liquor or malt or brewed beverages to minors.  
A person commits a misdemeanor of the third degree if he intentionally and knowingly sells or intentionally and knowingly furnishes, or purchases with the intent to sell or furnish, any liquor or malt beverages to a person who is less than 21 years of age.

Penalty: maximum penalty one year imprisonment; minimum penalty \$1,000 for first violation; \$2,500 fine for subsequent violations; no suspended sentences.

■ **18 P.A.C.S. 6310.6**: Definitions  
"Furnish" means to supply, give or provide to, or allow a minor to possess on premises or property owned or controlled by the person charged.

■ **18 P.A.C.S. 6305**: Public Drunkenness  
A person is guilty of a summary offense if

he appears in any public place manifestly under the influence of alcohol to the degree that he may endanger himself or other persons or property, or annoy persons in his vicinity.  
Penalty: maximum penalty \$300 fine or up to 90 days imprisonment, or both.

### Driving under the influence

Pennsylvania laws concerning driving under the influence are part of 75 P.A.C.S. (Pennsylvania Vehicle Code), Subchapter B (Series Traffic and Penalties), Section 3731 describes violations and offenses.  
■ **75 PA C.S. 3731**: Driving under the influence of alcohol or controlled substance  
A driver is considered legally intoxicated in Pennsylvania if he or she is under the influence of alcohol, a controlled substance, or a combination of both, to a degree which makes the person incapable of safe driving; or when his or her blood-alcohol content (BAC) is 0.10 or greater.

Under new revisions of the Pennsylvania Vehicle Code, chemical tests of a person's blood, breath or urine may occur within three hours after the person drove or was in control of the vehicle, rather than only at the time of operating the vehicle. Driving under the influence is a misdemeanor of the second degree.  
Penalties: Maximum penalty is two years imprisonment or \$5,000, or both, plus automatic one year driver's license suspension. Penalties for first offense include a minimum fine of \$300, minimum of 48 hours imprisonment, attendance at alcohol safety driving course, counseling as required, supervision on parole for up to two years and one year suspension of driver's license.

■ **Other alcohol-related violations involving vehicles**  
Refusal to take a breathalyzer or chemical tests:  
Anyone who operates a motor vehicle in Pennsylvania is deemed to have given consent to one or more chemical test(s) or breath or blood alcohol for the purpose of determining blood alcohol content, if the police officer has reasonable grounds to

believe the person has been driving under the influence. If a person is placed under arrest for violation of the OUI law and refuses to submit to a test, his/her driver's license will be suspended for one year.

The penalty for driving while operating privileges is suspended or revoke is a \$1,000 fine and minimum 90 days imprisonment.

■ **Homicide by Vehicle**  
The penalty for homicide by vehicle while driving under the influence is a mandatory minimum of three years imprisonment.

■ **Consumption of alcohol beverages by a driver:**  
A driver is guilty of a summary offense if he/she consumes any alcoholic beverage in a vehicle in operation on a Pennsylvania highway.

■ **Identification of an alcoholic beverage**  
As a result of a recent amendment to the Pennsylvania Vehicle Code (75 P.A.C.S.), a chemical analysis is not required to prove that a substance is liquor or a malt or brewed beverage; circumstantial evidence is sufficient. The provisions of this law also apply to proceedings under the Pennsylvania Crimes Code (18 P.A.C.S.) regarding underage drinking.

■ **Local open container laws**  
While there is no state law prohibiting open containers of alcohol in public, many local governments have enacted such ordinances. For example, the State College Borough Open Container Ordinance makes it unlawful to possess an open container of alcohol in a public parking lot or garage, on a public street or sidewalk, or in a park or park, whether such person is on foot or in a parked vehicle. Violations result in fines ranging from \$25 to \$300.

Many other local governments have enacted special ordinances. It is suggested that you be familiar with those in your area.

NOTE: Additional information on legal sanctions pertinent to alcohol and controlled substances may be obtained from local police departments or the nearest Pennsylvania State Police barracks.

## Resources

Continued from Page 1

health care benefits may receive reimbursement for some of the costs of certain types of alcohol and other drug treatment. Both Healthpass and Plan A provide some coverage for detoxification in an approved facility. In addition, some reimbursement for outpatient counseling may be available. Members of the HealthAmerica HMO at State College and Harrisburg should contact Mainstay Services, which will evaluate the condition and refer as appropriate. In State College the telephone number for Mainstay is (814) 238-4710. In Harrisburg, the number is (717) 731-4108. HealthAmerica members in the Pittsburgh area should contact their Primary Care Physician for evaluation and referral to an appropriate provider. Other HMO members should contact their specific HMO. Before enlisting services, consult the employee benefits literature and clarify questions through

the HealthAmerica Office at (814) 231-8970.

### Drug awareness training for supervisors

Since Fall 1989, almost 300 administrators, human resource representatives and supervisors from all University locations have participated in the Office of Human Resources' drug awareness training program. The purpose of the program is to provide faculty and staff in supervisory positions with an orientation to the University's policies and procedures related to alcohol and other drug use at work and an overview of interrelated health concerns.

The half-day seminar includes practical information about commonly used drugs, work-related signs of abuse, and resources available for assistance in dealing with such problems.

For further information and scheduling of programs, call the faculty/staff health promotion division of the Office of Human Resources at (814) 865-3085.



## Toll-free hotlines

- ☐ National Institutes on Drug Abuse Hotline, 1-800-662-HELP (4357) — refers callers to local drug treatment centers and support groups
- ☐ American Council on Alcoholism Helpline, 1-800-527-5344 — refers callers to local alcohol and drug treatment centers
- ☐ Al-Anon, 1-800-344-2666 — will refer families of substance abusers to group meetings in their local area
- ☐ Cocaine Hotline, 1-800-COCAINE — will provide information about cocaine
- ☐ Encore, 1-800-932-0912 — provides up-to-date information on drugs
- ☐ Pennsylvanians Aware, 1-800-PA-AWARE
- ☐ National Clearinghouse for Alcohol and Drug Abuse, 1-800-SAY-NO-TO
- ☐ Alcohol and Drug Abuse 24-hour Helpline, 1-800-333-4444
- ☐ Federal Drug, Alcohol and Crime Clearinghouse Network, 1-800-788-2800 — will provide information about all federal drug and alcohol programs, from treatment referrals to crime data.

# Focus on Research



Intercom  
April 22, 1993

Page 11



## Attitude influences first impressions with the boss

**A**ttitude may be as powerful as talent in impressing your new boss, according to a University psychologist.

"Our evidence indicates that, if a subordinate has a negative attitude, the supervisor focuses on this, even though ability may be considerable," said David D. Day, assistant professor of psychology. "Even the most gifted employees likely will not join a supervisor's inner circle if they show signs of anger, irritation or depression."

If subordinates have a positive attitude, then their ability has a better chance to be noticed early on, Dr. Day said. Otherwise, they remained outsiders, since first impressions, especially if negative, are difficult to change.

"Negative personality traits, unfortunately, make a more powerful and long-lasting effect than positive traits," he said. "One possible explanation is that people are more attuned to emotions that they view as threatening, as opposed to positive or neutral emotions."

A worker's true feelings about his or her supervisor are often revealed unintentionally through nonverbal facial expressions such as a furrowed brow or nods of displeasure.

"Supervisors gain a bounty of information about subordinates by noticing how they say things as much as what they say," Dr. Day said.

Dr. Day and Elona C. Crain, a graduate student at Tulane University and co-researcher, based their findings on a study involving 96 undergraduates between the ages of 17 and 43.

## Reason to smile ... Research shows that even the most gifted employees likely will not join their boss's inner circle if they show signs of anger, irritation or depression.

The participants took the Wonderlic Personnel Test, which measures overall mental ability and answered a Positive and Negative Affect Scale questionnaire, which measures feelings and emotions.

People in general, not just supervisors, can decode others' underlying personality traits fairly accurately, and they weigh those traits in establishing a relationship.

"We studied the association between supervisor and subordinate in the early stages," Dr. Day said. "Contrary to traditional belief, leaders in the workplace quickly establish a different working relationship with each individual subordinate. They don't interact with all subordinates in the same way."

High ability leaders or those with more positive attributes themselves may have better initial relations with their subordinates than leaders with fewer social skills, he added.

— Paul A. Blaum



## Children say love makes the family

If children made the rules, families whose members did not love one another would not be called families, a Penn State researcher suggests.

"The concept of love weighs more heavily in children's and adolescents' ideas of what constitutes a family than one might think," noted Judith L. Newman, assistant professor of

human development and family studies at the Penn State Ogonitz Campus



Judith Newman

Dr. Newman studied family concepts among children and adolescents with student assistants Laura R. Roberts and Christine R. Syre.

Participants in

the study were 120 subjects from the Philadelphia area — including 62 females and 58 males ranging from about 4 years to 20 years of age. Of the subjects, 94 were from intact households while the parents of 26 were separated or divorced.

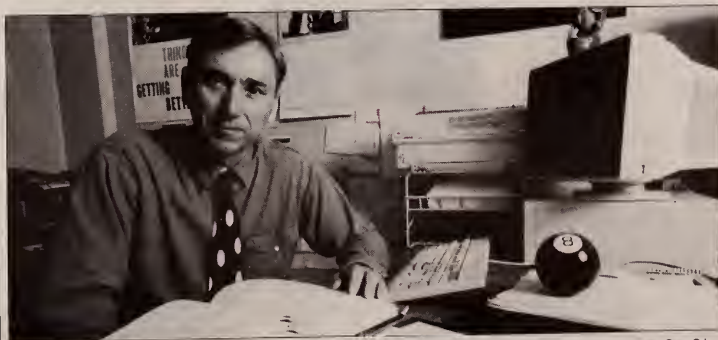
When asked to define "family" as if explaining the concept to an alien from another planet, 60 percent of the subjects stated that families were people who love and care for each other. The next most frequently mentioned criterion for "family" was co-residence, which was only mentioned by 38 percent of the subjects.

"Females were no more likely than males to mention love in their definitions," she said. "They were, however, more likely than males to suggest that families do things together."

While 98 percent of the subjects accepted a nuclear family grouping as a family, only 58 percent of the subjects said that a nuclear family whose members did not love each other could still be called a family.

Subjects' explanations of why they did or did not accept about 20 other configurations of human groupings as families almost always included some mention of love and caring. This held true even though the researchers never mentioned love when describing these other configurations.

"It would seem that our subjects were responding much like some of the court systems to the issue of what defines a family," she added. "That is, if it acts like a family, then it is a family — even if it lacks formal family attributes such as biological or legal relatedness."



David D. Day

Photo: Greg Grieco

### Vienna Orchestra

The Penn State Vienna Orchestra, under the direction of Douglas Meyer, professor of music, will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the School of Music and the University Lutheran Parish.

The Penn State Vienna Orchestra consists of 27 musicians, most of whom are students in the School of Music.

The concert is free to the public.

### Piano recitals

The School of Music will present two piano recitals featuring nationally and internationally recognized performers **Marylene Dosse**, **Annie Pettit**, **Carl Blake** and **Cherie Curry**.

Ms. Dosse and Ms. Pettit will perform at 8 p.m.

Saturday, April 24, in the School of Music Recital Hall on the University Park Campus.

The program will feature French and Russian dances by Chabrier, Francaix, Saint-Saens, Ravel, Arensky and Stravinsky.

Ms. Dosse is professor of music at Penn State and a fellow of the Institute for the Arts and Humanistic Studies.

Ms. Pettit is on the faculty of the Curtis Institute of Music in Philadelphia and is Artist-in-Residence at Muhlenberg College.

Dr. Blake and Ms. Curry will perform at 8 p.m. Friday, April 30, in the School of Music Recital Hall. They will perform duets by Bach-Grainger, Lutoslawski and Rachmaninoff. Also featured will be solo

works by Chopin and Liszt. "Celebration," a piece composed in 1992 especially for them by Higo Harada, professor emeritus at San Jose State University, will receive its East Coast premiere.

Dr. Blake is assistant professor of music and assistant dean in the College of Arts and Architecture. Ms. Curry is professor of music at San Jose State University.

Both recitals are free to the public.

### Philharmonic concert

The Penn State Philharmonic, under the direction of Douglas Meyer, associate professor of music, will present its final concert of the season at 3 p.m. Sunday, April 25, in Eisenhower Auditorium on the University Park Campus.

A prelude to the orchestra's forth



coming tour to Vienna, Prague, Stuttgart and Munich, the program will feature the Castalia Trio in a performance of Beethoven's Triple Concerto. The trio will perform the concerto with the orchestra in Europe and pursue its own recital tour. The members of the trio, all faculty members of the School of Music, are: pianist **Marylene Dosse**, professor of music; violinist **Marys Lyon**, assistant professor of music; and cellist **Kim Cook**, assistant professor of music.

Following an intermission, the Philharmonic will play Hindemith's "Symphonic Metamorphosis on Themes by Carl Maria von Weber."

The concert will conclude with Vaughan Williams' "Five Mystic Songs" sung by Norman Spivey, assistant professor of music, and 150 voices of the combined Concert and University Choirs.

Tickets are \$5 for non-students; \$2 for students. For ticket information, call the Eisenhower Auditorium Ticket Center, open 8:30 a.m. and 4:30 p.m., Monday through Saturday, at (814) 863-0255.

### Voice recital

Tenor **Richard Kennedy**, assistant professor of music, will present a voice recital at 8 p.m. Sunday, April 25, in the School of Music Recital Hall on the University Park Campus.

Accompanying him will be guitarist **Davidullen of Reading, Pa.**, and pianist **William Tilghman**, instructor in music at Penn State.

The program will open with several Renaissance songs by **Dowland** and **Campton**. Also featured will be a group of German Lieder by **Richard Trunk**. Duets by **Schumann** and **Mendelssohn** will follow in which Mr. Kennedy will be joined by baritone **Norman Spivey**, assistant professor of music at Penn State. Continuing the program, Mr. Kennedy will perform four different settings of Shakespeare's "Orpheus with his Lute" by **Vaughan Williams**, **Sir Edward German**, **William Schuman** and **Sir Arthur Sullivan**. The recital will conclude with "Poema en forma de canciones," a group of five songs by **Joquin Turina**.

Mr. Kennedy studied at Indiana University and Boston University, where he earned the artist diploma in vocal performance. He furthered his study at the Franz Schubert Institute in Austria and the Jeunesses Musicales du Canada.

### Flute Ensemble

The Penn State Flute Ensemble will present a program at 8 p.m. Monday, April 26, in the School of Music Recital Hall on the University Park Campus.

The program will feature works for

two to six players by **Mozart**, **Handel**, **Albini**, **Bartok** and **McKay**. The ensemble also will perform transcriptions of 18th-century compositions scored for full flute choir. A variety of instruments from the flute family, including piccolo, C-flute, alto flute and bass flute, will be employed by the 14-member ensemble.

The Penn State Flute Ensemble is under the direction of **Eleanor Duncan Armstrong**, assistant professor of music.

The concert is free to the public.

### New music concert

The School of Music will present a concert of new music by University composers at 8 p.m. Wednesday, April 28, in the School of Music Recital Hall on the University Park Campus.

The second of two such concerts presented during the 1992-93 academic year, the program will present recent music written by undergraduate and graduate students in the composition program. Student and faculty ensembles will perform the student compositions.

The concert is free to the public.

### Zoller exhibit

**Richelle Post**, master of fine arts candidate in metals in the School of Visual Arts, will present her thesis exhibition at Zoller Gallery on the University Park campus April 28 through May 7.

Ms. Post's work in wearable pieces and holloware focuses on the interconnections between her childhood memories, present situations and current interests. She considers her brooches wearable diaries possessing an intimate relationship with the wearer in terms of its essential function as a wearable item and in the choice of placement. Her holloware pieces are based on similar themes, drawing together associations of people and places.

Ms. Post has exhibited her work in Metals Now 1992 at the Downey Museum of Art, Downey, Cal.; the 1992 National Student Sterling Design Competition, New York/Idaho (a traveling exhibition); the Pennsylvania Metals exhibition at Zoller Gallery, and



Jonathan Frakes, who plays Commander "Riker" on television's "Star Trek: The Next Generation," will be a guest performer in the "Concert for Peace" to be presented at 8 p.m. Saturday, April 24, in Schwab Auditorium on the University Park Campus.

several exhibitions at the University of Wisconsin-Milwaukee. She recently received the First Place Prize for her work in the 1992 National Student Sterling Design Competition exhibition.

Zoller Gallery is located in the Visual Arts Building. Gallery hours are 9 a.m. to 5 p.m., Monday through Friday; 11 a.m. to 4:30 p.m., Saturday; and noon to 4 p.m., Sunday.

The exhibit is free to the public.

### Exhibit of paintings

An exhibition of oil and watercolor paintings by **Vincent Carducci** is being held in Pattee Library's Lending Services Gallery at University Park through May 15.

Mr. Carducci paints scenes of Central Pennsylvania landscapes as well as many other areas of the country. His work is inspired by the ever-changing color harmonies, weather, light, and shapes in nature captured by the artist on the Juniata River from early dawn to late dusk hours.

Mr. Carducci graduated from Penn State in 1971 and studied at the National Academy of Design in New York. His works have been shown at numerous one-man exhibitions in New York and Philadelphia, among other cities and are included in extensive corporate and private collections.

### Theatre designs

An exhibition of theatre designs by **Amy Higgins** is being held in Pattee Library's East Corridor Gallery through May 17.

Ms. Higgins uses her diverse skills in scenic painting and ornamentation, cake decoration, quilting, faux-finishing, woodworking, and upholstery in her designs.

Ms. Higgins will earn a bachelor of fine arts degree in drawing/painting and theatre in May. She has worked as a scenic painter for the Interlochen Arts Camp in Michigan and the Pennsylvania Centre Stage.

### Odyssey on WPSU

"The Painter of the Mohicans," the next Odyssey Through Literature broadcast, discusses the relationship between the painter **Thomas Cole** and the writer **Jane Fenimore Cooper**. Cole, says art historian **Elwood C. Parr** III of the University of Arizona, was not an illustrator. He was using the author to make his own statement.

"Thomas Cole was more imaginative and more ambitious than any other landscape painter in 19th-century America," Professor Parr tells host **Leonard Rubinstein**. "That ambition shows in how immediately he borrowed scenes from a popular novel. The Last of the Mohicans appeared as two volumes in February of 1826, and by the late fall Cole had painted an image of the climatic death and destruc-





# University Park Calendar

## APRIL 22 — MAY 2

### SPECIAL EVENTS

**Thursday, April 22**

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Vienna Orchestra.

Health Promotion and Education, 1:30 p.m., Paul Robeson Cultural Center. Suzanne Anderson on "African-American Women: Being the Gift That I Am!" and at 7 p.m. on "African-American Students: We Are the Creators of Our Self-Esteem."

Civil and Environmental Engineering, 7 p.m., Keller Conference Center. Program honors David E. Perugin, commanding officer of the 291st, the engineer battalion at the Battle of the Bulge.

European Club, European Community Forum, 7 p.m., Nittany Lion Inn. Panel discussion on "The Integration of the European Community."

CWS, 8 p.m., 113 Carnegie Bldg. Leola Johnson on "Journalistic Representation of Anita Hill."

University Resident Theatre Company performing "Blood Wedding." Reception follows at the Nittany Lion Inn. Tickets required.

Through April 24.

Spanish/Italian/Portuguese Lecture, 8 p.m., 112 Walker Bldg. Carlos Rojas on "Lorca, Dalí, and the Hallucinogenic Toreador."

**Friday, April 23**

Salvage and Surplus, Spring Auction. Coalition for Multicultural Feminist Studies in Communications, 9 a.m., 333 Keller Conference Center. Inaugural Workshop on "Decentering Power/Negotiating Territories."

Geography Coffee Hour, 8:30 p.m., 319 Walker Bldg. Jeanne Kay on "Mormon Women Landscapes 1847-1920."

Spanish/Italian/Portuguese Lecture, 2:30 p.m., 13 Sparks Bldg. Reed Anderson on "Blood Wedding Again: Thoughts on the Lorca Canon," 3:30 p.m., 13 Sparks Bldg. Manuel Delgado on Federico García Lorca's "Blood Wedding," 8 p.m., Pavilion Theatre, University Resident Theatre Company's production of "Blood Wedding," followed by a colloquy with director, Manuel Duque, and cast.

Penn State Ice Pavilion, 7:30 p.m. "Ice Rhythms," produced by Dena Yeagley. Also April 24.

**Saturday, April 24**

Blue White Game, Beaver Stadium. Mowry On, HUB lawn. Dairy Expo, Ag Arena.

Earth and Mineral Sciences, 11 a.m., 112 Walker Bldg. The David Ford McFarland Lecture, Ralph M. Sztarmer on "Steel-Making Metallurgy—An International Journey from Art to Science."

Arts and Architecture, 6:30 p.m., Nittany Lion Inn. "Gala 93," in anticipation of the grand reopening of the Palmer Museum of Art, includes cocktail hour, gourmet dinner, dancing, and a silent auction. Tickets required.

Center for Performing Arts, 7:30 p.m., Eisenhower Auditorium. Penn State International Dancers celebrate their 15th annual spring concert. Tickets required.

School of Music, 8 p.m., Recital Hall. Pianists Marijane Dossé and Annie Pellé.

School of Music, 9 p.m., Schwab Auditorium for Peace, Penn State Glee Club. Shaver's Creek, 8:30 a.m. Teamworks.

**Sunday, April 25**

Sy Barash Regatta, Bald Eagle State Park. Shaver's Creek, 2 p.m. Spring Hike.

School of Music, 3 p.m., Eisenhower Aud. The

Vienna Concert. Penn State Philharmonic, Penn State University Choir, Penn State Concert Choir, and The Castalia Trio.

**Monday, April 26**

Comparative Literature, 12:45 p.m., 101 Kern Bldg. Svetlana Boyon on "Death and Quotation Marks."

School of Music, 8 p.m., Recital Hall. Penn State Flute Ensemble.

**Wednesday, April 28**

HIV/AIDS Workshop, 9 a.m., 319 Rider Bldg. Storytelling, 10 a.m., Penn State Bookstore. Sherren McKenzie, featured storyteller.

NASW, 11:45 a.m., 313 Kern Bldg. Tina Hay on "Relationships Between Science Writers and Faculty Sources."

School of Music, 8 p.m., Recital Hall. Student Composers' Concert.

**Thursday, April 29**

Union Programs, noon, Kern Lobby. Gordon Law and Friends, modern jazz group.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Flute Ensemble.

Continuing Education Scholars, 2 p.m., Colonial Room II, Nittany Lion Inn. Sherry Willis on "Maintaining Professional Competence: Adult Learning and Development Through the Life Span."

**Friday, April 30**

Geography Coffee Hour, 3:30 p.m., 319 Walker. Susan Hanson on "Gender, Work and Space."

Sports Medicine, 5:15 p.m., Keller Conference Center. Gayle Plant on "The Female Athlete and The Media: A Look Behind The Scenes."

Shaver's Creek, 7 p.m., Woodcock Walk. The 1993 CAN Film Festival, "A Showcase of Student Films," 8 p.m., Schwab Aud. Tickets required.

School of Music, 8 p.m., Recital Hall. Duo Piano. Recital, Carl Blake and Cherie Cury.

**Sunday, May 1**

Shaver's Creek, 8:30 a.m., Teamworks.

### CONFERENCES

**Thursday, April 22**

Driver Performance Measurement, 15 attendees. Nittany Lion Inn, through April 22. D. Smith, chair. E. Loop, coordinator.

Separation & Purification Strategies for Biotechnology Products, 18 attendees. Nittany Lion Inn, through April 23. K. Rashid, chair. J. Milson, coordinator.

Program for Strategic Leadership, 35 attendees. Nittany Lion Inn, through April 30. S. Snell, chair. J. Menohor, coordinator.

"Nutrition Labeling: New Guidelines, New Directions," a satellite videoconference from Iowa State University, 10:30 a.m.-5 p.m., 506 Keller Conference Center. Contact Judy Trau, 865-6323.

**Friday, April 23**

Graduate Student Conference, 501 Keller, through April 24. Peter Stallybrass on "Figures of the Body, 1900-1600."

Innovation and Quality in the Classroom, 30 attendees. Keller Lobby. M. Scott, chair. C. Herd, coordinator.

Logistics Transportation Symposium, 150 attendees. Atherton Hilton, Holiday Inn, Tollfree, Hampton Inn, Airport, Nittany Lion Inn, through April 24. B. Novak, chair. C. Herd, coordinator.

Figures of the Body 1900-1600, 50 attendees. Autopac. C. Patton, chair. N. McCord, coordinator.

**Sunday, April 25**

Reading Tube Corporation, 16 attendees. Nittany Lion Inn, through April 27. B. Ricketts, chair. J. Milson, coordinator.

Corral Management Program at Penn State, 35 attendees. Nittany Lion Inn, through May 7. J. Spyckalski, chair. J. Menohor, coordinator.

**Tuesday, April 27**

Leadership Training Program, 60 attendees. Atherton Hilton, through April 28. B.



An exhibition of theatre designs, by Amy Higgins is being held in Pattee Library's East Corridor Gallery through May 17.

Hartman, chair. C. Andersen, coordinator.

**Wednesday, April 28**

Educational Secretaries, 375 attendees. Nittany Lion Inn, through April 30. S. Hendrick, chair. R. Maclean, coordinator.

**Friday, April 30**

Medical and Orthopedic Issues in Active Women, 200 attendees. Days Inn, Hampton Inn. M. Lynch, chair. R. Madean, coordinator.

### SEMINARS

**Thursday, April 22**

Geosciences, 3:30 p.m., 26 Mineral Science Bldg. Russell Wheeler on "Compressional Reactivation of Iapetus Extensional Faults in Southwestern North America."

Gerontology, 4 p.m., 105 Mitchell Bldg. Jersey Liang, featured guest.

**Friday, April 23**

CRCN, 10:30 a.m., 115 Beam Bldg. Srinivas Rangan on "International Joint Ventures." Accounting, 3:30 p.m., 333 Beam Bldg. One E. Baron on "Costly Trading and Disagreement: Theory and Evidence."

**Monday, April 26**

Particle Materials Center, 11 a.m., 301 Steidle Bldg. Masahiko Olayama on "Seeding of Sol-Gel Processed Ceramics."

Agricultural and Biological Engineering, 12:20 p.m., 239 Ag. Engr. Bldg. Michael A. Trzop on "Development and Test of Constitutive Models for Dry Powders," and Yansheng Lu on "Mathematical Modeling of Particulate Two-Phase Flow in Tube."

**Tuesday, April 27**

Veterinary Science, 8:45 a.m., 111 Henning

Bldg. John Cullen on "Hepatic Carcinogenesis in Animal Models of Hepatitis B Virus Infection."

Chemical Engineering, 9 a.m., Paul Robeson Cultural Center Aud. Michael T. Klein on "Chemical Modeling: The Quantitative Use of Chemistry in the Study of Complex Reaction Systems."

Plant Pathology, 1 p.m., 112 Buckhout Lab. Soumalisa Sanogo on "Possible Effects of Rising Atmospheric Carbon Dioxide Concentration on Plant-Parasite Interactions."

Geosciences, 3:30 p.m., 341 Deike. Ray Price, featured speaker.

**Wednesday, April 28**

Center for Russian and East European Studies, 12:10 p.m., 12 Sparks Bldg. Claire Nolte on "Training for Slavic Solidarity: The Czech Folkl and the Slavic Gymnastic Movement."

**Thursday, April 29**

Gerontology, 4 p.m., 106 Mitchell Bldg. Richard Burkholder on "Sharing Prosperities Across the Age Distribution in Comparison of the United States and Germany in the 1980s."

Computer Science, 4 p.m., 325 Whitmore Lab. Eugenia Panikrakov on "Hensel Lifting in the Problem of Polynomial Factorization."

**Friday, April 30**

CRCN, 10:30 a.m., 115 Beam Bldg. Nicholas Yannelis on "Cores in Values: Economics with Differential Information."

### EXHIBITS

**Kern Commons Gallery:**

"Two Women-Inner Connections," watercolor paintings of Marlee Ewin presented with poetry and prose of Dawn Erwin Fisher, during April.

**Formal Gallery:**

"To Color America: Portraits by Winold Reiss," through May 2.

**Zoller Gallery:**

Work of Marilyn Drew Collins - exploring the vessel form by body through painting, mixed media sculptures and installation art, through April 25.

Master of Fine Arts Thesis Exhibition, Richelle Post, through May 7.

**Chambers Gallery:**

"Cat Food Be Not Proud: A Dialogue," through April 30.

Education Graduate and Metals Area Exhibition, through April 30.

**Petee Library**

**West Lobby:** "Behind the Scenes," through April 30. An exhibition of Penn State Theater students' works. Exhibition of photographs by John

Foderichsen documenting experiences in southeast Alaska, May 1 through May 18

**Lobby:** Historic buildings in State College, featuring the work of the State College Borough Historic Resources Study Committee, through April 30.

**Learning Services Gallery:**

Exhibition of oil and watercolor paintings by Vincent Carudoci, through May 15.

**University Archives/Penn State Room:** "Why Not for Girls? Dorothy V. Hants and Women's Sports Psychology," through May 5.

■ Reflects an international perspective

# CEO of Hampton Inns to be honored as Alumni Fellow

Raymond E. Schultz, president and CEO of Hampton Inns, Inc., is visiting University Park today as an Alumni Fellow of the College of Health and Human Development.

Mr. Schultz, a native of Friesland, Pa., is a 1955 graduate in labor and management relations. He is best known for developing the Hampton Inns' chain of 336 hotels, introducing the concept of unconditionally guaranteed satisfaction, and setting industry standards for quality and affordability.

Before being named the first president of Hampton Inns in 1983, he held various senior management posts with the Holiday Inn Hotel Group, part of the Holiday Corporation (the former parent company of Hampton Inns). During a 20-year

tenure with Holiday Inn, he was responsible for franchise development, system marketing, product services, and business development.



Raymond E. Schultz

He began his business career with the IBM Corporation, where he held several key positions including industry marketing manager.

Mr. Schultz, who was named Economy Lodging Council Person of the Year by the American Hotel and Motel Association in 1991,

serves on the boards of Nations Bank-Memphis and the Chickasaw Council of the Boy Scouts of America. He established the Raymond E. Schultz Faculty Development Endowment Fund in the School of Hotel, Restaurant, and Recreation Management, part of the College of Health and Human Development.

"Alumni Fellow" is one of the highest honors that the University bestows on its graduates. The Alumni Fellow program, sponsored by the Penn State Alumni Association and Penn State's individual colleges, is designed to link prominent graduates and current students, faculty, and administrators. The Board of Trustees has specified the title as a lifelong designation.

# Alumni professionals to present communications career workshops

The School of Communications' Alumni Society Board of Directors will be sponsoring three career events for students on April 22-23. Robert Richards, assistant professor of journalism and law, will moderate the two workshops.

Panel workshop titled "How to Get Your First Job," will be held Thursday, April 22, from 2-3:15 p.m. in the Carnegie Cinema. Alumni media professionals will be on hand to tell students how they can better market themselves for their critical first job. Panelists include Carmen Finestra (71), creator and executive producer of Home Improvement (ABC); Brian Healy (67), producer for CBS News (Wash. DC); David Jones (54), assistant managing editor of the New York Times; Jayne Miller (76), senior reporter for WBAL-TV (Baltimore); Lyn Salzberg (56), former senior vice president of Saatchi & Saatchi Advertising (New

York City); and James Wiggins (72), vice president of corporate communications for Merrill Lynch & Co. (New York City).

Resume workshops will be held Friday, April 23, from 9:30 to 11 a.m. in the Carnegie Cinema. Student resumes will be critiqued and suggestions for improvement will be made by panelists Ms. Finestra; Warren Maurer (55), vice president/general manager of 1010 WINS (New York City); Westinghouse Broadcasting; Lou Prato (59), news director/assistant professor for Medill Broadcast News Service (Wash., DC); Lyn Salzberg and Jane Shoemaker (70), executive editor of the Charlotte (N.C.) Observer.

Concurrently with the resume workshop, a career fair will be held in Carnegie on Friday, April 23, from 9:30 to 11 a.m. Alumni communications professionals will be on hand to have one-on-

one career consultations with students. They include Abe Amoros (90), public relations coordinator for state Sen. Michael Bortner (York, Pa.); Charles Glazer (73), senior account executive at Ketchum Public Relations (Pittsburgh); Mr. Healy; Mr. Jones; Leah Rozen (77), associate editor of People Magazine (New York City); Jerry Schwartz (77), reporter at the Associated Press (New York City); Virginia Sirocky (67), principal of Virginia Sirocky Associates (Boston); Mr. Wiggins; and Herb Zukauskas (42), president of Market Coordinators (Lancaster). Registration will be held in the Carnegie Cinema lobby.

For more information, contact Christine Templeton, director of alumni and public relations for the school at (814) 865-8801.

## NEWS IN BRIEF

### European community forum

The Penn State Hellenic Society, in cooperation with the Penn State Hellenic Society, will hold an informal forum and panel discussion on "The Integration of the European Community" at 7 tonight in the Nittany Lion Inn on the University Park Campus.

The discussion will focus on the problems involved in the full integration of the community; the likelihood for its success, and the economic and political implications for the rest of the world.

Speakers invited to participate include Franco Giordano, consular general of Italy (Mid-Atlantic Region); Gunter Wehrmann, deputy director of the German Information Center; New York City; Johnathan Davidson, head of academic affairs at the Delegation of the Commission of European Communities, Washington, D.C.; Ray Raymond, representative of the British Consul in New York City, and G. Korsos, consular general of Cyprus in New York City.

### Subjects sought

Infants ages four to six months are sought for a study on taste preferences on vegetables. The infants should be primarily breast-fed, in good health with no history of digestive problems, and who have experienced infant cereal but not vegetables. Please call Elise Murowich at 867-3368 and leave a message.

### Faculty Staff Club luncheon

The Faculty Staff Club lunches at the Nittany Lion Inn will end for this semester on the last day of classes, Friday, April 30. Members of the Faculty Staff Club who have not used their two free lunches for this year are encouraged to do so. All members are invited to come and enjoy the collegiality and food at the Club before the service winds down for the summer. The lunches will resume at the beginning of fall semester.

## Arts

### Continued from Page 12

tion scene at the end of Croper's novel.

Odyssey Through Literature is produced by the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 12:30 p.m. on WFSU, 91.1 FM.

### Elder abuse special

Educating and involving Pennsylvania communities in the identification and prevention of elder abuse and neglect will be the focus of a May public television special produced in part by Penn State.

"Elder Abuse: Whose Problem?" will air on

public television stations in Pennsylvania at 9 p.m. May 21. It will include a 30-minute documentary, produced by WPSX-TV at the University Park Campus, which provides background on elder abuse issues and community responses to the problem. The documentary will be followed by a one-hour call-in session for questions and comments from viewers.

Collaborators for the full project are WQED-TV in Pittsburgh, WPSX-TV and the Geriatric Education Center of Pennsylvania (GEC/PA). The center is a cooperative outreach of the University of Pittsburgh, Penn State and Temple University. Funding for the project comes from the Pennsylvania Department of Aging and the Pennsylvania Public Television Network.

## PROMOTIONS

### STAFF

Susan H. Bechtold to user information manager at Hershey Medical Center.

Janet R. Brannan to assistant housekeeper at Nittany Lion Inn.

Chris A. Brown applications programmer/analyst in Undergraduate Programs.

Lorri L. Bryan staff assistant VIII in Research and Graduate School.

Joseph A. Cessna to foreman warehouse operations in Office of Physical Plant.

Sharon A. Levett to staff assistant VI at New Kensington Campus.

Rosalyn K. Long to staff assistant VII in College of Earth and Mineral Sciences.

Maria R. McIlhin to clinical head nurse at Hershey Medical Center.

Diane E. Nelson to staff assistant VI at

Hershey Medical Center.

Howard S. Ommert to senior financial aid coordinator in Undergraduate Programs.

Manfred A. Peters to senior designer electro-mechanical in ARL.

Sara L. Peterson to staff assistant IV in Earth and Mineral Sciences.

David Quinn to chef at Nittany Lion Inn.

Vesta M. Smith to staff assistant VI at Hershey Medical Center.

Kessey J. Kieselhorst to manager in Clinical Nutrition at Hershey Medical Center.

Monica D. Kling to staff assistant VI in Housing and Food Services.

Kay M. Klinger to administrative assistant I at Hershey Medical Center and Graduate School.

PRIVATE GIVING

## Grant helps bring industrial design engineers to University

A \$210,000 GE Foundation grant will initiate an innovative design program in the Leonhard Center for Enhancement of Engineering Education.

The GE-Penn State Capstone Design Program will bring industrial design engineers to the College of Engineering to collaborate with engineering faculty on upper-level design courses. The program offers practicing engineers academic experience and University students and faculty another window on the needs of American industry.

"It has long been our belief that industry experts could make a major contribution to the teaching of engineering design," Foundation President Clifford V. Smith said. "This proposed program gives students a taste of real world engineering at the same time it fosters cooperative efforts between industry and academia."

The GE-Penn State Capstone Design Program will train engineers from industry with University engineering design courses. Upper-level students will work in cross-disciplinary teams similar to those operating in industry as a part of the course.

"Practicing engineers and engineering faculty members working together can integrate industrial and marketplace demands into an academic curriculum in a way that individuals working independently could not," David N. Wormley, dean of the College of Engineering, said. "The GE Foundation grant supports a renewed emphasis on design as a way to give students a working understanding of engineering and the open-ended problems they will face on the job."

The GE Program also offers engineers who are considering career changes an opportunity to try

university teaching. In addition to workshops on teaching, GE Design Fellows based in the Leonhard Center will interact regularly with University faculty and students and participate in the academic life of the university.

The three-year program will bring three design engineers to University Park each year, beginning in August 1993. By the final year, approximately 3,000 students will have participated in the GE-Penn State Capstone Design Program.

The GE Foundation is the philanthropic arm of the General Electric Co. Founded in 1952 and one of American's first corporate foundations, the GE Foundation supports a variety of projects with emphasis on higher education, particularly in engineering, science and business.

## Alumnus gives \$750,000 to endow faculty chair

A University alumnus who says America must protect its world leadership in agricultural productivity has committed \$750,000 to the College of Agricultural Sciences.

C. Lee Rumberger of Pittsburgh, a former vice president with H.J. Heinz Co., made the donation to endow a faculty chair that will boost the college's research programs. The chair will be funded through a combination of lifetime gifts and an estate note. It will build on a scholarship that Mr. Rumberger endowed with a \$250,000 donation in 1987.

"Lee Rumberger has long recognized that our nation's leadership in agriculture has rested on a strong commitment to research," Lamartine F. Hood, dean of the College of Agricultural Sciences, said. "Research is the key to ensuring a high quality, safe and nutritious food supply."

Mr. Rumberger, who once served as vice president for research at Heinz, said "I know from personal experience how important research is to the entire agricultural industry. We can't afford to be complacent. We must always be looking for better products and more efficient ways of doing things. My hope is that the Rumberger chair will play an important role in that area."

The C. Lee Rumberger and Family Chair in Agricultural Sciences will be appointed by the dean and could be located in any of the college's academic units.

"The Rumberger chair will help us to recruit and retain a world-class faculty

member, who in turn will attract superior students," Dean Hood added.

A Warriors Mark native, Mr. Rumberger graduated from Penn State in 1920 with a bachelor's degree in animal husbandry and served as county agent in Fayette County for eight years. He joined Heinz in 1929 and worked his way through management ranks, becoming vice president for research and quality control in 1951.

Named vice president for development in 1961, he helped start Heinz operations in the Netherlands, Italy and Mexico, and was president and treasurer of the company's Mexican subsidiary. He retired in 1965.

Mr. Rumberger has long been active in alumni affairs in the College of Agricultural Sciences. In 1968 he became founding president of the college's alumni society and in 1974 the college named him an Alumnus

*"I know from personal experience how important research is to the entire agricultural industry. We can't afford to be complacent."*

C. Lee Rumberger  
alumnus

Fellow.

He has served on the governing boards of many agricultural organizations, including the agricultural board of the National Research Council and the Agricultural Research Institute, affiliated with the National Academy of Sciences.

Penn State honored him as a Distinguished Alumnus in 1960.

## Winners named in Graduate Research Exhibition

The eighth Annual Graduate Research Exhibition, held on March 19-20, distributed \$10,000 in awards among the five categories of Arts and Humanities, Engineering Sciences, Life and Health Sciences, Physical Sciences and Social and Behavioral Sciences. Awards were presented for first, second and third places and in some categories for honorable mention.

● The winners in Arts and Humanities were: First Place, Marie Hombeck and Carolyn Nadeau for "Accessing Medieval Spanish Texts," department of Spanish, Italian and Portuguese.

● The winners in Life and Health Sciences were: First Place, Marie Hombeck and Carolyn Nadeau for "A History of the Spleen: A History of the 'Underground Man,'" department of comparative literature and Paul S. Briggs, "Problems in Art and Christianity or Art and Society: Issues in Iconoclasm and Essentialism,"

department of art education.

● The winners in Engineering Sciences were: Second Place, Christine Retherford, "Greenhouse Container Water Content and Electric Conductivity Measurements," department of agricultural and biological engineering; Paul A.T. Harris, "Performance Analysis of the LAMP Rayleigh/Raman Lidar System," department of electrical and computer engineering; Joseph M. Reinhardt, "Toward Efficient Morphological Shape Representation," department of electrical and computer engineering; and Anamya Kumar Garga, "Neural Network Design and Structural Training Using Voronoi Diagrams," department of electrical and computer engineering. There was no First Place awarded.

● The winners in Life and Health Sciences: Holly Kloos Dressman, "Degenerate Primer-Directed, Polymerase Chain Reaction Assays for

Variable Sequences Within the S1 Gene of Avian Infectious Bronchitis Virus," department of veterinary sciences, and Peter Emanuel, "Participation of TAFs in the Recognition of Promoter Sequences," department of molecular and cell biology; Second Place, M. Karuki Njenga, "Early Arterial Changes Associated with Marek's Disease Virus Infection in Chickens," department of veterinary science and Magnus Johansson, Tak-Chung Lau, Mauricio Quesada and Donna Vogler, "Environmental Effects on Male success in Plants," department of biology.

● The winners in Physical Sciences were: First Place, Stephan J. Stranik, "The AC Scanning Tunneling Microscope: A New Tool for Studying Insulators, department of chemistry; Second Place, Bart W. Kinble, "Experimental Methods in Nonlinear Stability Analysis of

Dynamical Systems, department of engineering science and mechanics, and Kevin Kinzie and Steve Martens, "An Experimental Study of Mixing in Supersonic Flow," department of aerospace engineering.

● The winners in Social and Behavioral Sciences were: First Place, Stephen T. Sherry, "Mismatch Distribution Analysis of Human mtDNA: New Evidence for Recent Episodes of Dramatic Population Growth," department of anthropology; Second Place, Devavahini Subramaniam, "Do Model Minorities Earn More? The Case of Asian Indians in the United States," department of sociology, and Ann J. Ward, "Child Nutrition and Agricultural Development in the Highland Fringe of Papua New Guinea, 1977-1991," department of anthropology.

## Dr. Thomas highlights University accomplishments of 1992-93

The University community has experienced a successful year despite the financial exigencies it is working through, according to President Thomas, who addressed the University Faculty Senate at the last meeting of the semester.

Before the gavel was turned over from outgoing Senate Chair James F. Smith, professor of English and American studies at Ogotz Campus, to newly-elected Chair Robert N. Pangborn, professor of engineering mechanics, Dr. Thomas took the podium to discuss faculty, staff and student achievements, as well as private giving to the University and the ongoing building program.

"Leadership by faculty is an important ingredient in the continuing success of Penn State," he said. "I want to add my heartfelt thanks to faculty, students and staff for their dedicated efforts throughout this academic year."

Topping the list of accomplishments, which Dr. Thomas said was by no means complete, were the various highly-competitive awards and fellowships captured by those in the University community. The president also said that private giving to Penn State increased 15 percent over 1991-92 totals. As of March 31, Penn State has received \$53.6 million in private gifts — a record high total for the first nine months of the fiscal year.

"In the still difficult economy nationwide, this news is a particularly encouraging reflection of Penn State's quality," Dr. Thomas said. "In my view, this investment in the University is a strong vote of confidence in our continuing ability to provide leadership for the future."

Other highlights of 1992-93 noted by Dr. Thomas include:

- Four faculty members designated as National Science Foundation Young Investigators.
- Two faculty members selected as Office of Naval Research Young Investigators of only 71 chosen nationwide.
- Four faculty members supported by

Guggenheim Fellowships, ranking Penn State fourth nationally for this award.

● One of 17 Searle Scholar Awards, and one of 20 Packard Foundation Fellowships available nationwide went to Penn State faculty members.

● Awards processed through the end of March 1993 for this fiscal year total \$215 million - an increase of more than 26 percent over last year.

● Five students won National Science Foundation fellowships.

● Five graduate and four undergraduate students won Fulbright Fellowships for the current year, ranking the University third in the Big Ten and 15th nationally in this competition.

● One Truman Scholarship finalist currently in the interview phase of this national competition.

In other Senate business:

● Outgoing Chair Smith formed a special committee to document the workload and achievements of faculty, and has charged the committee with defining faculty responsibility and workload and looking at the diversity of faculty roles. The committee will also analyze the current documentation of faculty performance.

● Dr. Pangborn took the helm as chair of the Senate, while Barton Browning, associate professor of German, will serve as chair-elect, Cara-Lynne Schengrund, professor of biochemistry in the College of Medicine at Hershey, will serve as secretary, and George W. Franz, associate professor of history at the Delaware County Campus, will be parliamentarian. Chair Pangborn said he was "excited and awed" at the prospect of leading the Faculty Senate.

"Our new constitution will allow us to be more proactive and less reactive," Dr. Pangborn said. "We will not be reluctant to take the lead and look for creative ways to solve problems."

● Senate Council will hold a special meeting April 27 to discuss reorganization matters.



MacKenzie Keith, professor emeritus of geosciences, is the author of *Geodynamics and Mantle Flow: An Alternative Earth Model*, published by Elsevier (Amsterdam) and also in the latest issue of *Earth Science Reviews*, V. 33 (1993): 153-337.

The essence of the book is a critical review of the evidence regarding the nature of the "Earth Engine," the drive mechanism for mountain building, volcanism, igneous intrusion, earthquakes and continental drift. The volume encompasses geological, geochemical and petrologic data as well as structural evidence and the broad aspects of Earth history.

It is shown that the balance of evidence is contrary to the currently popular "plate tectonics" theory and favors a model of the earth with long-term behavior characterized by relatively weak sub-crustal layers subject to viscous flow.

Principal features include a proposed recycling model of oceanic volcanism and a new view of the significance of ocean-floor structure and regional variations of heat flow as indicators of direction of mantle flow.

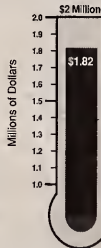
The most influential books on the environment are Aldo Leopold's *A Sand County Almanac* and Rachel Carson's *Silent Spring*, according to a recent survey of environmental experts from around the world.

The survey results are newly published in *The Environmentalist's Bookshelf: A Guide to the Best Books* (G.K. Hall & Co.). The survey was conducted by Robert Merideth, project associate and writer/editor for the Pennsylvania Groundwater Policy Education Project in the College of Agricultural Studies.

Mr. Merideth asked environmental scientists, educators, authors, activists and government officials to identify and comment on the books that have most influenced their thinking and actions—books they would recommend to someone just becoming involved in the movement. He then compiled a list of the 500 most recommended books, which he describes in detail in *The Environmentalist's Bookshelf*.

"My purpose in preparing *The Environmentalist's Bookshelf* was to help professionals, students and others interested in the environment discover the core books that shaped the thoughts and actions of the past and influence events in the present," he said.

### CAMPAIGN UPDATE



Since July 1992, faculty and staff have committed \$1.82 million in gifts and pledges to various programs University-wide. If at least \$2 million is committed to any program by June 30, alumni Bill and Joan Schreyer will give \$1 million to The Campaign for the Library.

### INSIDE

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April 22, 1993  
Vol. 22, No. 29

### PENNSTATE INTERCOM



Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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PENN STATE



# INTERCOM

April 29, 1993

Volume 22, Number 30

## Commencement schedules set for all campus locations

The University will hold 1993 Spring Commencement ceremonies at all 22 campus locations the weekend of May 14 for a total of 750 associate, 5,603 baccalaureate and 936 graduate degree students, including 99 medical students.

At the University Park Campus, 48 students will graduate with associate degrees, 4,926 will graduate with baccalaureate degrees, 573 students will receive master's degrees and 184 will receive their doctorate. Each college at University Park will hold its own ceremony.

Following is a schedule of commencements at the University's campuses:

❖ **Allentown:** No commencement. Honors Convocation at 7 p.m. May 11, Academic Building; Martin D. Cohen, center, Cohen, Knafo, Feeley and Ortwein, PC.

❖ **Altoona:** No commencement. Convocation at 1 p.m. May 8, Community Arts Center.

❖ **Beaver:** 7 p.m. May 14, Laboratory Classroom Building Auditorium; Mary Gage, academic officer, Education Abroad Programs, and University Fulbright Program adviser.

❖ **Berks:** 7:30 p.m. May 13, Perkins Student Center Auditorium; City of Reading Councilman Frank McCracken.

❖ **Delaware County:** 7 p.m. May 13, Library/Learning Center; Gwendolyn S. King, senior vice president for corporate and public affairs, Philadelphia Electric Company.

❖ **DuBois:** 2 p.m. May 14, Multi-Purpose Building; Jay S. Pifer, president of West Penn Power.

❖ **Penn State Erie, The Behrend College:** Noon May 15, Reed lawn; Steven deHart, associate professor of German and humanities.

❖ **Fayette:** 10:30 a.m. May 15, J. Lewis Williams Building Auditorium; Rep. John P. Murtha, 12th Congressional District.

❖ **Great Valley:** 7 p.m. May 18; Grace Hampton, vice provost.

❖ **Penn State Harrisburg:** 9:30 a.m. May 15, Founders Hall of the Milton Hershey School; Erskine Sandiford, prime minister of Barbados.

❖ **Hazleton:** 7 p.m. May 14, Physical Education Building; Joan Bigelow.

❖ **Hershey Medical Center:** 1 p.m. May 16, Founders Hall of the Milton Hershey School; Richard Selzer, surgeon, author and eminent figure in medical humanities.

❖ **McKeesport:** 11 a.m. May 15, First Evangelical Free Church; Commissioner Larry Dunn.

❖ **Mont Alto:** 10 a.m. May 15, Conklin Hall lawn; Sylvia H. Schraff.

❖ **New Kensington:** 7 p.m. May 13, Forum Theatre; Congressman Ron Klink.

❖ **Opontz:** Noon May 14, Physical Education Building; Marjorie Margolies Mevzinsky.

❖ **Schuylkill:** 7:30 p.m. May 13, John E. Morgan Auditorium, Student Community Center; Robert M. Fisher, deputy press secretary to the governor.

❖ **Shenango:** 7:30 p.m. May 14, Auditorium; Charles H. Adamo, chair, Lawrence County Board of Commissioners.

❖ **University Park:** May 14.

4:30 p.m., University Scholars Medals Ceremony, President Thomas and Gerard A. Hauser, Scholars Program director, Eisenhower Auditorium.

8 p.m., ROTC Joint Service Commissioning, Rear Admiral Leonard N. Oden, Music Building.

May 15.

9 a.m., Eberly College of Science, John Lowe, Alumni Fellow,



**QUALITY EXHIBIT** — Janet Widoff, coordinator of student activities at Penn State Harrisburg, and Gary C. Schultz, associate vice president for finance and a member of the University's Continuous Quality Improvement Council, examine an exhibit describing the orientation process for new students at Penn State Harrisburg at the first CQI Team Fair April 20. Twenty-eight teams displayed information on the team process at the fair held in the Hetzel Union Building Ballroom on the University Park Campus. (Photo: Greg Grieco)

## Faculty awards to enrich instruction

A number of faculty members have received funding for proposals through the United Federal Bank Endowment for the Enhancement of Undergraduate Instruction.

The purpose of the Endowment is to enrich undergraduate instruction by providing support for innovative instructional projects, especially those with a potentially lasting effect.

Diane M. Enerson, director of the Instructional Development Program said the following faculty members were successful in their request for grants, which were in the \$2000 to \$5,000 range.

■ **Barbara E. Bullock, Martha W. Burton and Karen E. Robblee,** "An Interactive Approach to Phonetics in the Classroom."

■ **Hector E. Flores,** "Seeds of Change: The Uses of Plants."

■ **Renee D. Gittler,** "Introduction of Small-scale Chemistry Experiments into the Freshmen Laboratory Courses—Chem 14 and 15."

■ **Ernest A. Harrison Jr.,** "Cultivating Problem Solving and Teamwork in the Undergraduate Organic Laboratory: The Synthetic Sequence."

■ **Eliza Pennypacker and Daniel Naderleick,** "History in the Landscape: A New Approach."

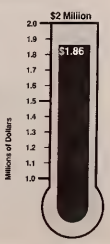
■ **Lakshman Yapa and David DiBaise,** "A Proposal to Establish a Course in Computer-Assisted Regional Analysis."

## Campaign Update



With approximately two months to go, the Million Dollar Faculty/Staff Challenge is within \$140,000 of its goal of \$2 million in gifts to all areas of the University. Attaining the goal will trigger a \$1 million gift from Board of Trustees Chairman William Schreyer and his wife, Joan, to the Campaign for the Library.

Faculty and staff are reminded that they may make multi-year pledges as part of the challenge. These commitments will count toward the \$2 million goal as long as they are made in writing before June 30. If you have not received pledge forms and materials or have questions, call Barbara Sarra at 863-2052.



DIVERSITY

### Documentary maker to talk about his "Rap City Rhapsody" film

Internationally known journalist and documentary film maker N.L. Akil Buchanan will discuss his Emmy award-winning PBS documentary, "Rap City Rhapsody" at 8 p.m. in the HUB Fishbowl on the University Park Campus.

Mr. Buchanan will talk about the choices he made to make "Rap City Rhapsody" accessible to a PBS, white-middle class audience. He also will talk about his current projects, "Declarations," a PBS series on essays, which is scheduled for national broadcast in late 1993, and a new documentary series for ABC with the working title of "Moments of Crises." In addition, he will judge the editing entries for the Penn State students' Can Film Festival.

His talk is sponsored by Colloquy, the Paul Robeson Cultural Center, the Office of Multicultural Affairs and the Student Filmmakers Organization.

The annual Can Film Festival will be held at 8 p.m. Friday, April 30, in Schwab Auditorium. All seats are \$3 and tickets are on sale at the Eisenhower and Schwab box offices. Gladwin Marumo, a Black South African filmmaker from Soweto, and Allen Kirkpatrick, a winner of two Emmy Awards for a PBS Children's show, "Big Blue Marble," will join Mr. Buchanan as guest judges.

### Chair of women's group is named

Kathryn "Kathy" C. Itinger, administrative aide in the Department of Comparative Literature and first recipient of the University's Staff Excellence Award, has been elected chair of the Coordinating Council of Professional Women at Penn State. She will assume the position July 1, succeeding Jackie R. Esposito.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State women.

The group, which welcomes attendance by all members of the Penn State community, currently is accepting applications for leadership positions on its Coordinating Council. Applicants are needed to replace five members whose two-year terms expire in June. It is hoped that individuals from a variety of backgrounds will apply to serve on the Council.

Applications must be submitted by May 5. For more information and to receive a brochure and application form, contact Ms. Itinger, N434 Burrows, University Park, telephone 863-4288; e-mail KCI1@PSUADMIN.



Kathy C. Itinger

### Three local churches combine for worship service

Three local churches of predominantly African/Black American, Chinese and European American membership will combine to share worship at 10:30 a.m. Sunday, May 2, at St John's United Methodist Church, Beaver Avenue and Burrows Street, State College.

The combined worship between predominantly Black Mary McCloud Bethune Memorial United Methodist Church, the Chinese Alliance and predominantly European American St John's United

Methodist Church is titled, "We Are One in Spirit."

Church officials say that the spirit of the service is also to celebrate a recent agreement that will enable all three congregations to share St John facilities for services and activities permanently after July 1. The agreement will make St John's the only inter-cultural, inter-faith facility in town, according to officials.

### DIVERSITY OPPORTUNITIES CALENDAR

#### Sunday, May 2

Mary McCloud Bethune Memorial United Methodist, St John's United Methodist Church and The Chinese American Alliance, 10:30 a.m., St John's United Methodist Church, Beaver Avenue and Burrows Street, State College. Combined worship service titled, "We Are One in Spirit."

#### Wednesday, May 5

Office of the Vice Provost for Educational Equity, 1 to 3 p.m., Mitchell Building studio D. National video tele-conference and local panel presentation titled, "Hispanic Issues in Higher Education: The Politics, Prerequisites and Presumptions." Administrators, faculty, staff and students are invited. For more information, contact **Odetta Pinesiro-Colon** at 863-7889.

### NEWS IN BRIEF

#### Volunteers needed

Penn State is hosting the Pennsylvania Summer Special Olympics Games Thursday, June 10, through Sunday, June 13, at the University Park Campus.

Approximately 2,500 volunteers are needed to help make this event run smoothly. Stop by the Information Desk at Kern Commons, HUB, Paul Robeson Cultural Center, and Eisenhower Chapel to obtain a copy of the preregistration brochure, or phone the regional office for PA Special Olympics, 1-800-288-7276.

Why not get a group from your department to take part in the volunteer program? Better yet—involvement the entire department. Sports offered during the Games include aquatics, track & field, basketball, bowling, gymnastics, powerlifting, softball, tennis and the new equestrian event. Volunteers are needed in all areas.

#### Evening child care

On-campus evening child-care at Cedar Building on the University Park Campus during final-exam week will be available Monday through Friday, May 3-7, from 5:45 to 9:30 p.m. and on Saturday, May 8, during times of scheduled exams. This care is available for children, ages 2-12.

Advance reservations are required and should be made no later than Friday, April 30. To register, call Child Care

Program Services at 865-5886. Cost for students is \$1.00 per hour; faculty/staff is \$2.00 per hour per child. After May 8, evening care at the Cedar Building will be discontinued until the Fall Semester.

#### International symposium

An International Symposium on Engineered Software Systems (ISESS) will be held at Penn State Great Valley May 4-7.

The symposium, chaired by David W. Russell, of Great Valley's Department of Computer Engineering, is sponsored by Martin Marietta, Shared Medical Systems Inc. and Unisys Corp. Dr. Russell said it is designed to meet the growing demand for information on the design and implementation of software systems, as well as the principles of software engineering.

William Hufschmidt of the Development Support Center Inc of Elm Grove, WI, will give a keynote address titled "Using Measurement in the Scientific and Engineering Environments to Prove Business Values."

For additional information on the symposium, contact Diane Hnat at (215) 648-3209.

#### Bortree Lecture

James Popp, vice president and head, Department of Experimental Pathology

and Toxicology, Chemical Industry Institute of Toxicology, Research Triangle Park, N.C., will be the sixth speaker in the Department of Veterinary Science's 1992-93 A. L. Bortree Lecture Series.

He will discuss "Relationship of Peroxisome Proliferator-Induced Cellular Effects to Hepatocarcinogenesis" at 8:45 a.m. Wednesday, May 5, in Room 201 Classroom Building on the University Park Campus.

#### Sigma Xi lecture

"The Mysteries of the Ancient Near East as Revealed through Technological Studies of Ceramics" will be subject of Sigma Xi's second public lecture of the spring semester.

Fred Matson, professor emeritus of archaeology and well known archaeologists will speak at 4 p.m. Thursday, May 13, in the Matson Museum of Anthropology in the Carpenter Building on the University Park Campus.

Sigma Xi invites all members who are affiliated with other chapters to join the Penn State Chapter. Membership can be reacquired at this lecture without penalty.

To learn more about the lecture or to be reactivated, contact Pat Gong, 116 Land and Water Building, 863-0159.

### OBITUARIES

Ann E. Penn, secretary, Penn State Ogontz Campus; from June 15, 1970, until her retirement Jan. 1, 1985; died Jan. 23 at the age of 78.

William G. Yendol, professor of entomology, died March 15, 1965; died March 20. He was 62.

He received a bachelor science degree in agriculture from California State University in 1953, a master's science degree in entomology from Purdue University in 1957, and a Ph.D. in entomology from Purdue in 1964.

At Penn State, he headed a research team that focused on developing improved methods of aerial application technology of microbial sprays for achieving greater efficiency in controlling the gypsy moth.

He was a member of the Entomological Society of America, the Society of Invertebrate Pathology, the International Organization of Biological Control, Western Hemisphere Region, and Sigma Xi. He was president of the Entomological Society of America, Eastern branch, and an honorary member of Phi Epsilon Sigma.

Memorial contributions may be made to the William G. Yendol Entomological Research Fund, Entomology Department, in care of James Frazier, University Park, Pa. 16802.

## FACULTY / STAFF ALERT

The Department of Publications is beginning to update information for the general information and University department listings of the Penn State student and faculty/staff telephone Directories (pages 1-81 in the faculty/staff phone; 1-83 in the student book).

Someone from each area listed on the those pages should photocopy the page(s) that pertain to that area, mark updates, and send corrected pages to the Department of Publications, Directories, Suite A, Barbara Building, by June 7. The department listings on pages 25 through 81 in the Faculty/Staff Directory are identical to that section in the Student Directory. Please submit only one update of material if it is between pages 25 and 81 and the update will be used for both books.

If changes to your area are extensive, please type them on a separate sheet and attach it to the photocopy of your present listing.

Information for individual listings (pages 83 through 178) in the Faculty/Staff Directory for full-time employees are obtained through the IBIS system list. For changes in home addresses and telephone numbers, submit a revised W-4 form and contact your Human Resources representative to ensure that the information is correct in the IBIS system list. For changes in work addresses and phone numbers, con-

tact your Human Resources representative to ensure that the information is correct in the IBIS system list. If you have discovered an error in your present individual listing, contact your Human Resources representative to correct it in the IBIS system list.

In the interest of saving trees and University money, the Department of Publications strongly requests that adjunct faculty members, part-time employees, employees who work in an area connected with Penn State but are not on Penn State's payroll, and faculty members emerit consider very carefully whether or not they need to be listed in the Penn State phone directory. If you are in one of the previously mentioned categories and it is not absolutely necessary for you to be listed, please do not request it. If it is vital to your job to be listed, you must submit a Department of Publications Telephone Directory Information Form by June 7 to the Publications office. You can get the form from the Human Resources representative connected with your area.

If you have any questions about the Directories, call Publications at 814-863-1870. If you have questions about your individual listing, call your Human Resources representative and ask for a double-check of your IBIS listing. Please submit all information to Publications by June 7.

## Lecture on mental health of older adults set

"Mental Health Services in Nursing Homes: Still Crazy After All These Years" will be the topic of a research lecture by faculty member Michael Smyer, at 8 tonight in the HUB Assembly Room on the University Park Campus.

Dr. Smyer is a 1993 recipient of the Evan G. and Helen G. Pattishall Outstanding Research Achievement Award. The award, sponsored by the College of Health and Human Development, recognizes a faculty member for outstanding research contributions occurring or culminating within the past several years. Each recipient presents an evening lecture highlighting his work.

Dr. Smyer, professor of human development, studies several issues related to the mental health of older adults.

His most recent research focuses on the effects of mental-health interventions in nursing homes, the lack of mental health services for nursing home residents, and the design of training programs to help nurses' aides more effectively serve residents who have mental disorders.

President of the adult development and aging division of the American Psychological Association, he holds Fellow status in the APA, the American Psychological Society, and the Gerontological Society of America. He is a member of the Initial Review Group on Mental Disorders of the Aging for the National Institute of Mental Health. He also is a scientific consultant to the Congressionally appointed Task Force on Aging Research.

## PROMOTIONS

Diane J. Krise to staff assistant VI in Research and Graduate School.  
Laurie Leitzell to staff assistant V in Intercollegiate Athletics.  
H.L. Tressler to staff assistant VIII in Office of the President.

Leonard M. White to inventory control specialist in College of Engineering.  
Suzanne L. Wright to staff assistant VI in College of Earth and Mineral Sciences.  
Lawrence E. Zemanek to production coordinator in Computer and Information Systems/Office of Administrative Systems.

## Schedule

## Continued from Page 1

## Recreation Building.

9 a.m., College of Agricultural Sciences, K. Jane Coulter, deputy administrator for higher education programs, USDA, Eisenhower Auditorium.  
11:30 a.m., College of Health and Human Development, John Seffrin, executive vice president and CEO, American Cancer Society, Recreation Building.  
12:30 p.m., College of Arts and Architecture, John Sherin, chair, Department of Theatre Arts, East Carolina University, Eisenhower Auditorium.

1 p.m., College of Earth and Mineral Sciences, Dean John A. Dutton, Schwab Auditorium.  
3 p.m., College of Engineering, Bert Welliver, vice president of Boeing, Recreation Building.

3:30 p.m., School of Communications, Art Cooper, editor of CQ Magazine, Eisenhower Auditorium.

5:30 p.m., The Smeal College of Business Administration, William Schreyer, president of the Board of Trustees, Recreation Building.

8 p.m., Graduate School, M.R.C. Greenwood, dean of the Graduate School, University of California at Berkeley, Eisenhower Auditorium.

May 16:

1 p.m., College of the Liberal Arts, Barry Robinson, Recreation Building.

1 p.m., College of Education, Donald M. Carroll Jr., Pennsylvania Secretary of Education, Eisenhower Auditorium.

Wilkes-Barre: 10:30 a.m. May 15, Hayfield House lawn; Clark Hendley, dean, Department of Arts and Sciences, Bridgewater State College.

Worthington Scranton: 7 p.m. May 14, Multi-Purpose Building.

York: 4 p.m. May 13, Penn State Woods; Ernest A. Harrison Jr., professor of chemistry.



Continuous  
Quality  
Improvement

A bi-weekly column to keep the University community updated on CQI activities.

## TEAM FAIR SUCCESS

A special thank you to the 23 teams who participated in the first CQI TEAM FAIR and to all those who attended. A special thanks to Beth Meter for organizing and coordinating the activities.

## A DOUBLE FEATURE CONFERENCE

The 8th Annual Assessment Conference and the 1st Continuous Quality Improvement Conference sponsored by the American Association for Higher Education will be held in Chicago, June 9-12. For more information, call the CQI Center, 863-8721.

## NEW CQI TEAMS

Margaret Spear, director of Clinical Services, and Patricia Irwin, nurse manager, have appointed a "Triage in the University Health Services" team to improve the process that serves students who go to Ritenour for outpatient care without an appointment. The team leader is Connie Cavalier and the team facilitator is Rob Rager.

Norman Bedell, assistant vice president for physical plant, has appointed a "Work Assignment System" team to examine the process of work assignments for small jobs for physical plant customers. The team leader is Kathy Smith; the team facilitator is Carlyle Carter.

Russell Vaughn, director of the Center for Academic Computing, has appointed a "Computer Help Desk" team to improve the function of computer help desks at various University locations. John Harwood is the team leader and Joan Thomson is the team facilitator.

## CQI OVERVIEW

The last scheduled CQI Overview of Continuous Quality Improvement for spring semester will be offered through the Human Resource Development Center (HRDC) on May 27. Karen Reichard and Beth Meter will teach this session. Space is limited, so if you anticipate starting a team soon, make certain team members have an opportunity to sign up through the HRDC (865-3410).

## A FOND FAREWELL

The University Council on Continuous Quality Improvement and the CQI Center would like to extend our best wishes to Laura Raiman, assistant professor in the College of Engineering, who will be leaving the University for Houston at the end of this semester. Dr. Raiman has provided continuous support to the CQI effort at Penn State and will be missed for her expertise and knowledge of total quality.

Questions about CQI should be directed to the CQI Center, University Park, (814) 863-8721.

## CARPOOLER

Woodward vanpool to University Park looking for riders. Work 7:30 a.m.-3:30 p.m. Call Paul at 349-8261 from 5-9 p.m.

## Exceptional service earns administrative assistant University Libraries Award

Shirley J. Davis, administrative assistant to the dean of the University Libraries, has received the 1993 University Libraries Award.

Ms. Davis was named in recognition of her "dedication, resourcefulness, and exceptional service to the University Libraries; her unwavering commitment to diversity and fairness; and her enthusiasm and leadership in The Building for the Future Campaign."



Shirley J. Davis

Ms. Davis joined Penn State and the University Libraries in 1969. She began her employment in Technical Processing. Later she served as secretary for the director of Libraries until 1973 and then as the first dean of Libraries. Currently, she supports the activities of the dean of University Libraries and the director of development.

Throughout her employment, Ms. Davis has actively participated on committees concerned with diversity at the University. In 1989 she was appointed by the President to serve a one-year term on the Commission on Racial/Ethnic Diversity. She also served as an alternate on the University's Discrimination Review Committee and as a member of the University Libraries Committee on Racial and Ethnic Diversity.

Prior to joining Penn State, Ms. Davis was employed at Johns Hopkins University. In 1967 she graduated from the Maryland Medical Assistant and Secretarial School and served an internship at the Baltimore Hospital in Maryland.

## Physics instructor receives teaching award

Karl Trout, instructor in physics at the Penn State York Campus, has received the campus' outstanding teaching award for 1993.

Students said Mr. Trout is genuinely concerned about them and note that he has a way of making an intimidating course exciting to learn. Other comments say that Mr. Trout inspires students to do the absolute best work they can and is able to relate physics to everyday things in life.

Mr. Trout joined the Penn State York faculty in the fall of 1990 and has been teaching a variety of physics courses from introductory physics to some advanced courses for science and engineering majors. He holds bachelor of science and master's of science degrees in physics from Penn State.

His philosophy is to introduce students to the concepts of physics first and then mathematics.



Karl Trout

## Four at University selected as "Outstanding Adult Students"

Four University students have been selected by the Pennsylvania Association for Adult and Continuing Education as Outstanding Adult Students in Pennsylvania for 1993.

They are: Teresa Baker of McClure, Marilyn Butler of DuBois, Eugene Downey of Altoona, and George W. Johnson of Pennsylvania Furnace.

The criteria for selection as an outstanding adult student include difficulty of circumstances, variety of roles, innovative approaches to completing college, support of others returning to school, contributions to the institution, grade-point average, awards and honors received and statement of short- and long-term goals.

Teresa Baker, who also won the award in 1992, graduated in May 1992 with a degree in elementary and kindergarten education. She achieved a grade-point average of 3.35.

Due to her own health problems, a hearing loss and the challenges she faced as a single parent, Ms. Baker attended classes for 41 consecutive months without a break. She stresses that she could not have done this without the love and patience of her family.

Marilynn Butler received a bachelor of arts degree in economics with a minor in business in May 1992. She earned a cumulative grade-point average of 3.67.

While a student at the Penn State DuBois Campus, she was president of Delta Mu Sigma, a Lion Ambassador and a peer tutor. She also was a community speaker for the Penn State DuBois Adult Student Recruitment Task Force. At the University Park Campus, she became a University Scholar and a member of the Economics Honors Program.

Ms. Butler has been challenged throughout her academic career with the responsibilities of being a single parent to two daughters. During years of both personal and financial difficulty, she managed to commute 65 miles to attend classes at University Park. Eugene Downey will graduate in May with a degree in human development and family studies. His current grade-point average is 3.87.

While a student at the Penn State Altoona Campus, he became a peer advisor in the Adult Center, helping others make decisions about returning to school. He became co-founder and president of

the Association of Non-traditional Students at Altoona.

A former construction worker, Mr. Downey returned to college after sustaining an ankle injury, which ended his construction career. He has gone from a high school drop-out to earning his G.E.D. to becoming a University Scholar and is now anticipating graduate study in some area of counseling.

George W. Johnson has been a full-time doctoral student in the Administration of Justice Department at University Park since 1990. At the same time he has been a full-time state probation and parole officer in Altoona.

In 1990, he was named Parole Agent of the Year by the Pennsylvania American Legion, and in 1991, the Pennsylvania Association of Probation, Parole and Corrections also named him Parole Agent of the Year. He frequently works with individuals in family disputes, drug-related trouble and other crisis situations and recommends appropriate interventions. He is known for doing so in a way that improves the quality of life for his clients.

## Employees honored for contributions

The College of the Liberal Arts has presented awards to eight staff employees for outstanding contributions to the college.

Carolyn Fishburn, administrative assistant in the Department of Psychology, received the first Alumni Staff Award, established by the Liberal Arts Alumni Society. A member of the staff for 28 years, Mrs. Fishburn was cited for her contributions to the management of the department, carried out with unusual dedication for many years.

Those who received Outstanding Staff Awards for exceptional job performance characterized by professionalism

and dedication to the mission of the college and the University were Anna Britten, coordinator, Office of the Associate Dean for Undergraduate Studies; Kathy Miller, staff assistant, Office of Alumni Relations and Development; Ginny Struble, staff assistant, Department of Political Science; William Loop, assistant to the dean; Kathy Itinger, administrative aide, Department of Comparative Literature; Robin Robinson, staff assistant, Office of the Associate Dean for Undergraduate Studies, Records Office, and JoAnn Harris, staff assistant, Department of Political Science.

## Program cited as nominee for excellence in retaining students

The Comprehensive Studies Program has been nominated to receive a 1993 Retention Excellence Award from the Noel-Levitz National Center for Student Retention. The program was selected because it has demonstrated retention excellence, according to a recent national study of development education programs.

Designed to develop the basic academic skills of students who enter the University through the Educational Opportunity Program and selected veterans, the program consists of developmental coursework in English, mathematics, reading and listening and study skills. It also offers tutorial support, close faculty advising, and individual counseling to help students gain the competence and confidence to cope successfully with the academic rigors of college life.

The Summer Institute for Academic Achievement, a six-week summer intervention program for entering Comprehensive Studies students, will be highlighted as an exemplary pro-

gram for high school graduates who need additional academic preparation before their first semester at University Park.

Since it began three years ago, 75 percent of the summer institute students have continued at Penn State and 6 percent have left the University in good academic standing. In addition, the University has retained 84 percent of the African/Black American students in the program.

"It is evidently clear that the Summer Institute for Academic Achievement is truly a national model for retaining minority students in a predominantly White institution and deserves to receive the national recognition it is attracting for its outstanding achievements thus far," Howard E. Wray III, assistant dean for Undergraduate Education, said.

The awards will be announced at the National Conference on Student Retention in July. Last year, 12 colleges and universities in the United States and Canada were recognized.



# DATELINE

## PENN STATE

Volume I, Number 1

April 1993

### THE BIG PICTURE

As the University's academic reputation continues to grow, Penn State faculty members are correspondingly more visible in the nation's news media for their research accomplishments and expertise.

This special *Intercom* supplement seeks to document that visibility over Spring Semester 1993 — in newspapers, magazines, specialty and "trade" publications, and on radio and TV. It is by no means a comprehensive listing, but it does provide a sense of who is appearing in what medium for what reason.

At Penn State, the Department of Public Information and its parent Office of University Relations provide the resources for promoting and marketing Penn State's intellectual talent to the mass media. Collaborating with communicators in the academic colleges, campuses and administrative units and employing a variety of tools and techniques, Public Information staff members work with editors, reporters, and producers to generate visibility for the University on the basis of its academic accomplishments. Faculty, too, often generate their own media visibility through professional presentations and quick responses to direct media queries.

Suggestions for stories from faculty and staff are always welcome. News Bureau Manager Vicki Fong and Assistant Manager Christy Rambeau can be reached at 814-865-7517.

We hope you enjoy this sampling of Penn State and Penn Staters in the media over the last several months.

*Roger L. Williams*

Roger L. Williams  
Executive Director of  
University Relations

*Bill Mahon*

Bill Mahon  
Director of Public  
Information

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### Weightlessness research gains national attention

Brian Davis (left), a former graduate student with Penn State's Center for Locomotion Studies, checks on the effects of zero gravity in a study led by Peter Cavanagh, distinguished professor of locomotion studies, biobehavioral health, and medicine. The study was featured in the March issue of *Popular Science* magazine. Funded by NASA, the weightlessness study looked at the physiological effects of space flight and explored the best ways to exercise in space in order to keep bones healthy.

Photo: Greg Grieco

# HOT OFF THE PRESSES

THIS LISTING IS MERELY A SAMPLING OF THE NUMBER OF STORIES GENERATED FROM PENN STATE FACULTY RESEARCH SINCE JANUARY 1993.

## Storm of the century: The Blizzard of '93

Penn State's Weather Communications Group recently dominated the national news as the "Blizzard of 1993" paralyzed the entire East Coast. *The New York Times* quoted meteorologists Paul Knight and Fred Gadomski extensively and used the group's weather graphics in several stories on March 14, 15 and 16.



Knight described the event as a classic storm, noting "I guess it has happened but not in modern history, and certainly nothing this late in the year over such a wide area."

Gadomski said, "there is no doubt that this is a storm of a magnitude, given the area over which it has passed, that comes once in a century—more than a century."

Among the exhaustive list of placements were: *USA Today*, *Dallas Morning News*, *Los Angeles Times*, *Arizona Republic*, *Charlotte (NC) Observer*, *San Jose Mercury* in California, *Baltimore Sun*, *St. Paul Pioneer Press* in Minnesota, and the *Atlanta Journal*, as well as the *Ottawa Citizen* in Canada.

A question about the storm returned in the Q&A Column of the Science Times section of *The New York Times*. Knight explained why the storm was called a northeaster. University meteorologists are frequently called upon to answer questions for this weekly question and answer column.

▲ A spring issue of *Men's Health* magazine featured suggestions from James Lynch, team physician at Penn State, for giving a massage for leg pain.

Also, the April-May issue offers a look at the work led by Alan Booth, professor of sociology and human development, about men with high levels of testosterone and aggressive behavior.

▲ Research on the needs of the woman business traveler was the focus of an Associated Press story (April 21). Patrick J. Moore, Frederick DeFico and Deborah Kerstetter in the School of Hotel, Restaurant and Recreation Management will continue the study for additional data.

▲ Dr. William Graham, clinical professor of surgery at The Hershey Medical Center, was quoted in an April 20 article by the Associated Press on the latest comments on breast implants. Earlier, he also was quoted in *Health* magazine about fat injections as an alternative to silicone gel-filled breast implants.

▲ A study on software development as a complex human activity was the focus of an April 12 article in *Information Week*. The research was done by Iris Vessey, associate professor of management information systems, and colleagues.

▲ According to the April 12 issue of *The Philadelphia Inquirer*, religion and sport jog side-by-side, says Charles Prebish, associate professor of religious studies and editor of a book *Religion and Sports: The Meeting*

of *Sacred and the Profane*. Both involve a private search for ultimate reality and spiritual awakening.

▲ "Bill Clinton is president today because of the politics of unemployment," said Joseph Keefe, associate professor of communications in an op-ed published in the April 10 issue of *The Philadelphia Inquirer*. "The Democrats unleashed the politics of unemployment to win the White House but now they must tame the politics of unemployment to govern and to win again."

▲ In the April 10 issue of *Science News*, Leann Birch, professor and head of human development and family studies, explained a study by her and several colleagues on why children choose to eat the foods they do. "We see very clearly that children learn to prefer the flavors that are paired with high-energy densities. This helps us understand why reducing dietary fats is so difficult."

▲ Tennessee has more cemeteries per square mile than any state in the nation, according to research presented by Wilbur Zelinsky, professor emeritus of geography. His findings (April 9) received national recognition so far from United Press International and National Public Radio.

▲ Confession to your CPA is not privileged, reminds David T. Doran, assistant professor of accounting at Penn State Erie, The Behrend College. Accountants are not protected by federal law when they have private conversations with their clients. His expertise was highlighted by Associated Press (April 19) *International and the Boston Globe* (United Press).

▲ In an April 4 story on MBA programs and diversity training, *The New York Times* included *The Smeal*

## Looking on the bright side

Attitude may be as powerful as talent in impressing your new boss. "Even the most gifted employees likely will not join a supervisor's inner circle if they show signs of anger, irritation or depression," said David D. Day, assistant professor of psychology.

In the January/February issue of *Men's Health*, a popular consumer magazine, Day found that "those who lead are quicker to pick up underlings' negative vibes than to notice positive ones. That may be because our instinct to survive makes us more attuned to threatening emotions."

The researcher was also quoted in the January/February issue of *Psychology Today*, which has a circulation of 850,000 readers. A few months earlier, the story was published in *The Washington Post*, one of the most influential newspapers in the U.S., and distributed by Knight-Ridder News Service to hundreds of newspapers nationally.



David D. Day

## A chocoholic's dream

Penny Kris-Etherton, professor of nutrition, was profiled in a story dear to the heart of chocolate lovers. In her work, she showed that a major component of cocoa butter in chocolate is a saturated fatty acid that will not elevate blood cholesterol levels. The story was seen nationally by readers of the Associated Press, the Knight-Ridder News Wire, and newspapers such as the *Salt Lake Tribune* and the *Woodbridge (N.J.) News Tribune*. Susan Trausch, a writer from the *Boston Globe*, also highlighted the research in a column, which was distributed nationally and reached the *Toronto Star*.

College of Business Administration's diversity efforts in its undergraduate programs.

▲ Richard Allay, associate professor of geosciences, was interviewed by *The New York Times*, *Science News* magazine and *Dallas Morning News* about his research stating that past climate changes determined by the Greenland Ice Coring experiment show unexpectedly quick temperature changes.

The April issue of *Discover* magazine also looks at this research.

▲ *The Allegheny River* book, published by Penn State Press, was reviewed in the April issue of *American Heritage* magazine.

▲ *Better Homes and Gardens'* April issue includes a comment on the appeal of chocolate by Paul Dimick, professor of food science. He also is quoted in *Vitality* magazine about his research on developing a cocoa butter with a much higher melting point.

▲ Mark Widome, professor of pediatrics at The Hershey Medical Center, was quoted in an article on kids' safety in the April issue of *Redbook* magazine.

▲ *Health* magazine (March/April) profiles the work of Jean-Xavier Guinard, assistant professor of foods, on how the mouth feel of a beer can affect consumer preferences.

▲ Reuters News Service mentioned a survey of farmers done by Jill Findets, associate professor of agricultural economics, in a March 31 story on Mexican workers. The story also appeared in *Investor's Daily* newspaper.

▲ *The Wall Street Journal* published a brief story (March 30) on a Penn State study on university executive education programs, done by Albert Viere, associate dean for executive education in The Smeal College of Business Administration.

▲ A *New York Times* article on enzyme research (March 26) mentioned a researcher's use of techniques developed by several scientists including Stephen Benkovic, Evan Pugh Professor of Chemistry and holder of the Eberly Family Chair in Chemistry.

▲ Manfred Kroger, professor of food science, was interviewed by *The Washington Post* on March 24. He commented on the idea of creating product standards for yogurt makers.

## HOT OFF THE PRESSES

CONTINUED FROM PAGE 6

▲ A study led by Alan Booth, professor of sociology and human development, determined that moving after a divorce isn't necessarily painful unless it's to lower-quality housing. The findings appeared in *The Philadelphia Inquirer* and were distributed by Knight-Ridder News Service (March 24) to newspapers such as *Atlanta Journal and Constitution*.

▲ More than half of nursing home residents need mental health treatment, but fewer than one in five receive it, according to a study by Michael Smyer, professor of human development, and Dennis Shea, assistant professor of health policy and administration. They were quoted in the March 17 issue of *The Philadelphia Inquirer* and the story was distributed nationally by Knight-Ridder News Service to newspapers such as the *Tampa*

### Retirement could mean more work

For one-third of Americans, retirement means only a temporary vacation from the workplace.

"Life course phases can no longer be neatly divided into education, work and retirement," said Mark D. Hayward, associate professor of sociology and assistant director of the Gerontology Center for Social Sciences.

He and two other colleagues were authors of a paper, using data from the National Longitudinal Survey of Older Men. Their conclusions were discussed in stories by nationally recognized media such as the Associated Press, *The Wall Street Journal*, *The Washington Post*, and the United Press International, and in metropolitan newspapers such as the *Philadelphia Inquirer*, *Sacramento (CA) Bee*, *Indianapolis News* and the *Charlotte Observer*. Hayward noted, "People will work as much as they need in order to offset inflation."

### Don't sell the house - yet!

"Life on Earth may be doomed, but not for at least a billion years, two scientists suggest," according to a *New York Times* article.

A mathematical model developed by Ken Caldeira, post-doctoral research associate in geosciences, and James E. Kasling, associate professor of geosciences, was described in an article published in the British journal, *Nature*.

Penn State scientists calculate "despite the increasing heat of the sun, the temperature of the atmosphere is likely to remain fairly constant for 900 million years because the warmed rocks will take carbon dioxide from the air and reduce the greenhouse effect," according to *The New York Times*.

Stories about their research popped up all across North America with significant stories in *The New York Times*, *Christian Science Monitor*, *The Washington Post*, *USA Today*, *Chicago Tribune*, *The New York Times News Service* and *The Washington Post/Los Angeles Times* Syndicate.

From the *San Francisco Chronicle* to the *Baltimore Sun*, from the *Dallas Morning News* to the *Quincy Press* in Michigan, the work of Caldeira and Kasling attracted attention and prompted an editorial in the *Chicago Tribune*. In Canada, the stories were published by the *Calgary Herald*, Alberta, to the *Vancouver Province* to the *Montreal Gazette*.

Most recently, the May issue of *Discover Magazine* devoted a profile to their findings.

*Tribune* in Florida, *Dallas Morning News*, *St. Paul Pioneer Press* and *Salt Lake City Tribune*.

▲ A vocational-technical high school diploma may allow you to earn as much as a college degree, according to Kenneth Gray, associate professor of vocational education. His research was featured in *Woman's World* magazine (March 16) and has attracted national attention earlier in publications such as the *Christian Science Monitor*, *USA Today* (twice), *Houston Post*, *San Francisco Chronicle*, *Rocky Mountain News* in Colorado, and *Jet* magazine.

▲ Jerome Williams, assistant professor of marketing, commented on current target marketing efforts by KFC and multicultural entrepreneurs for stories in *USA Today* (March 15) and *The Wall Street Journal* (March 24).

▲ Mature adults with ill parents may face hardships, according to research led by Dennis Hogan, professor of sociology and director of the Population Research Institute. The study appeared first in *The Philadelphia Inquirer* (March 15) and was distributed by the Knight-Ridder News Service to newspapers such as the *New York Daily News*, *Dallas Morning News* and the *Salt Lake City Tribune*.

▲ Research about chronic worriers conducted by Thomas Borkovec, distinguished professor of psychology, and colleagues, was featured in March 14 stories in the *Chicago Tribune*, *Detroit Free Press*, *Woodbridge, (N.J.) News Tribune* and *Long Beach Press-Telegram* in California. According to the news articles, the researchers noted that chronic worriers do have richer imaginations and less ability to distance themselves from possible consequences of problems.

▲ Roger Geiger, professor of education, and Irwin Feller, director of the Graduate School of Public Policy, had their new study on research universities featured in *The Chronicle of Higher Education* (March 10). Their study challenged the idea that so many scientists are now competing for limited federal dollars, that the quality of research is being watered down.

▲ Paul Robillard, assistant professor of agricultural and biological engineering, informed consumers that some bottled water did not contain fluoride, which is often taken for granted. His comments first appeared in *Better Homes and Gardens* magazine; the story was later distributed by the Associated Press Features, ending up in newspapers such as the *Indianapolis News* and several dailies in Illinois (March 8).

▲ A *Newsday* feature on women and weight training (March 8) included an interview with William Kraemer, director of research at the Center for Sports Medicine and associate professor of applied physiology.

"Some women may gain more strength and size than another woman on the same program but if the goal of the program isn't to gain massive size or strength, then you're not going to gain it," he noted.

Also the information was featured in the Feb-April issue of *Swimming Technique* magazine, Associated Press and *Your Health* magazine (February).

Through the efforts of the Department of Public Information, the center also has attracted attention through its monthly newsletter. Stories on altitude training appeared on the Knight-Ridder News Service and newspapers such as the *Hartford (CONN.) Courant* and the *Hackensack (NJ) Record*. Another story on water running appeared on the Knight-Ridder News Service and



Filmmaker Spike Lee gave a lecture, sponsored by the student organization Colloquy, at the University Park Campus. In response to questions, he discussed ways in which African-American student athletes can have an active role in minority student enrollment. The Associated Press covered his talk, and the story appeared nationally in newspapers like the *Miami Herald*, *Minneapolis Star Tribune*, *Orange County Register* in Los Angeles, *Chicago Sun-Times*, *Rocky Mountain News* in Colorado, *Houston Chronicle*, and the *Fort Lauderdale Sun-Sentinel* in Florida.

Photo: Greg Grieco

newspaper such as the *Hackensack (NJ) Record*, *The Philadelphia Inquirer* and *St. Paul Pioneer Press* in Minnesota.

▲ In *The New York Times* column "Parent and Child" (March 5), Jordan Finkelstein, professor of biobehavioral health and human development, reminds parents to treat ill teenagers as teens, not invalids.

"If you think of teens as normal children who have a disease, they'll have a much more normal life," he noted. "Their brains don't rot because their pancreases aren't working."

The column, written by Lawrence Kutner, was distributed nationally by *The New York Times Wire Service* and reprinted by newspapers such as the *Houston Chronicle*.

▲ Gerald Kuhn, professor of food science, talked to the *Miami Herald* about the proper methods for freezing food (March 4).

▲ The cult culture was the topic of a *USA Today* story (March 2) with comments from Lita Schwartz, a cult expert and distinguished professor of educational psychology at the Penn State Osgott Campus.

▲ The *Cleveland Plain Dealer* (March 2) mentions Just a Housewife, a recently published book of poems on housewifery, written by Sheila Ficus, an instructor of English at Penn State Erie, the Behrend College. Her

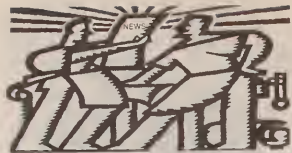
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## SHORT TAKES

"Bill Clinton is president today because of the politics of unemployment"

Joseph Keefer

associate professor of communications, in an opinion piece in *The Philadelphia Inquirer*



## HOT OFF THE PRESSES

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topic attracted attention earlier from *The Wall Street Journal*, *Dallas Morning News* and *Chicago Tribune*.

▲ **James Porterfield**, an instructor in the Department of Independent Learning, wrote a book, *Dining by Rail*, which was extensively profiled by the Associated Press nationally in late March. It also has appeared in newspapers such as *The Baltimore Sun*, the *Harrisburg Patriot*, *Detroit Free Press*, Knight-Ridder News Service, and the *Buffalo News* in New York. The book also was reviewed by *The New York Times* and *USA Today*.

▲ **Tom Serfass**, a doctoral candidate in wildlife technology, was featured by the Associated Press in March for leading the efforts to bring otters back to the wild.

▲ *Popular Science* magazine featured two Penn State research projects in its March issue. The weightlessness study, led by Peter Cavanagh, distinguished professor of locomotion studies, biobehavioral health and medicine, was funded by NASA to explore the best way to jog in space to keep bones healthy. The Biomodule, a robotic minilab developed by the scientists at the Center for Cell Research, also was highlighted in a second story.

### Co-workers say: "Punish 'em"

Workers will react positively when management dishes out the harshest of punishments to colleagues caught breaking the rules, suggests a Penn State study.

"The severe punishment of wrongdoing in the workplace seems to be necessary to fulfill employees' sense of justice," said Linda Klebe Trevino, assistant professor of organizational behavior.

The research story was picked up by the Reuters News Service and Knight-Ridder News Service, and published nationally in newspapers such as *The Washington Post*, *Boston Globe*, the "Work Talk" column in the *Orange County Register* near Los Angeles, and the *Toronto Star*.

She had written on the topic in articles published in the *Journal of Management* and in the *Academy of Management Review*.

▲ More Pennsylvania residents are claiming Irish or Scotch-Irish descent, according to the Pennsylvania State Data Center at Penn State Harrisburg in March stories by the Associated Press and *USA Today*. Another story on natural gas is the top home heating fuel in the state was featured by the Associated Press and the *Pittsburgh Post-Gazette*.

▲ *Shape* magazine published two stories in the March issue offering suggestions from N. Travis Triplett, research assistant at the Center for Sports Medicine. The first article focused on the night exercises for developing leg strength and overall lower-body strength. The second discussed toning the triceps.

▲ The March issue of *Compressed Air* magazine profiles the work of Bernard Gordon, associate professor of polymer science, who is developing a plastic that can be decomposed by water.

▲ The March issue of *Discover* magazine profiles the work of Lester Casida Jr., professor of microbiology, an expert on predatory bacteria. He has found the top bug, *Pseudomonas Strain 679-2*—a bacterium that kills not only other bacteria, but also several different types of fungi, according to the article. This presents possibilities as a natural fungicide for crops. He and Felix Lukevic, professor of plant pathology, have conducted field trials that test the control of leaf spot diseases of alfalfa and tomatoes using *Pseudomonas Strain 679-2*.

▲ A study led by Dr. Elaine Eyster, distinguished professor of medicine and chief of hematology, shows that the first signs of AIDS may differ dramatically in children and adults. This research appeared in newspapers such as the *Atlanta Journal*, *Orange County Register* near Los Angeles, *Oakland Press* in Michigan, *Kansas City Star* in Missouri, and *Riverside Press-Enterprise* in California, in February and March.

▲ In the Feb. 25 issue of *Dallas Morning News*, Dennis Murphy, professor of agricultural and biological engineering, was interviewed about the absence of good data on farm injuries.

▲ A book written by William Kraemer, associate professor of applied physiology and director of research for the Center for Sports Medicine, said children can benefit from supervised strength training. This research was featured by the Associated Press (Feb. 23) and made available to newspapers across the country.

▲ Steven Beckerman, associate professor of anthropology, appears in the Feb. 20 issue of the *Economist*. A brief profile looks at his study of the Bari, a hunter-gatherer people from South America, and why they use so many arrows.

▲ Charles Ameringer, professor of history, wrote a letter to the editor published in the Feb. 17 issue of *The New York Times*, offering information on proposals for restructuring U.S. intelligence.

▲ Karl Stuedefalke, professor of exercise and sports science, is quoted by the Associated Press on the health benefits of stair climbing. (Feb. 15). It appeared in the March 24 issue of the *Sacramento Bee* in California.

▲ Nationally syndicated columnist Joan Beck of the *Chicago Tribune* devoted a Feb. 14 column to frequently voiced concerns about the quality of day care in the U.S. She quoted Jay Belsky, professor of human development, who says that most research overestimates the level of day care and misses the underground network of family day-care homes and baby-sitters.

"Quality of care in America is not what it could be nor of a caliber that should leave us sanguine about what is happening to all too many children being cared for in non-parental care arrangements around this country," Belsky said.

Her column was distributed by the Knight-Ridder News Service and appeared in newspapers such as the *St. Paul Pioneer Press* in Minnesota.

### Malpractice fears increase chances of cesarean

Fearing malpractice suits, are physicians performing more cesareans? Perhaps.

A study led by researchers at The Hershey Medical Center found a statistical link between the risk of a malpractice suit and the likelihood of a cesarean delivery. Their results were reported in the *Journal of the American Medical Association*.

Lead author A. Russell Localio, a research associate in biostatistics, and his co-workers were quoted in stories in prominent media such as *USA Today*, *The Washington Post*, *The Wall Street Journal*, Associated Press, United Press International, Dow Jones News Service, and Reuters News Service.

In addition, major metropolitan newspapers published the story, including the *Atlanta Journal and Constitution*, the *Newark Star Ledger* and *Hackensack Record* in New Jersey, *New York Daily News* and *New York Post*, *Philadelphia Inquirer*, *Detroit Free Press*, *Fort Worth Star Telegram* and *Houston Post* in Texas, *Hartford Courant* in Connecticut, *San Francisco Chronicle*, the *San Francisco Examiner*, and the *St. Louis Post-Dispatch*.

The study also was highlighted by American Medical Television, a syndicated cable TV program; the Gannett News Service, and *Medical Tribune News*, which distributes medical stories nationwide.

▲ Charles Yesalis, professor of health education, was interviewed by *USA Today* on Feb. 10 on his findings linking steroid use, violence and substance abuse. It was picked up by the Gannett News Service and appeared in newspapers such as the *Vineyard (N.J.) Daily Journal*.

▲ A health scare provoked negative public reaction to the cellular telephone industry, according to the Feb. 9 edition of *The Washington Post*. Stephen Couch, associate professor of sociology at the Penn State Hazleton Campus and an expert on community response to technology-produced disasters, provided some comments on the dilemma for the industry. The story, distributed nationally by *The Washington Post*/Los Angeles Times Syndicate, appeared in other newspapers such as the *Connecticut Post*.

▲ United Press International featured the PATCH program, a Cooperative Extension program in Dauphin County, that teaches inmates how to be good mothers and fathers (Feb. 8).

▲ Joab Thomas, president of the University, was featured prominently in an article on the University "downsizing" process in the Feb. 3 issue of *The Chronicle of Higher Education*.

▲ Penn State researchers Theodore Fuller, development economist, and Stephen Smith, associate professor of agricultural economics, conducted studies on Pennsylvania employment trends, according to a Feb. 1 article by United Press International.

▲ The February issue of *Better Homes and Gardens* quotes Penn State experts in three different stories.



Linda Klebe Trevino

## HOT OFF THE PRESSES

CONTINUED FROM PAGE 8

First, Gordon Blood, professor of special education and communication disorders, explains why people are apt to experience voice loss during the winter-time.

"To top it off, we drink and smoke in noisy places and try to be witty over the noise."

Paul Robillard, assistant professor of agricultural engineering, also reminds readers that some bottled waters lack fluoride, which helps protect your teeth from cavities.

In a third story, Madeleine Sigman-Grant, assistant professor of food science, and co-workers suggest guidelines for safe microwaving of baby formula.

▲ *American Health* magazine in February profiles a study comparing the pregnancies of women who run regularly versus those of relatively inactive women, led by Robert Jones, associate professor of family and community medicine at The Hershey Medical Center.

"Mother Nature does a good job of building up a woman's energy reserves during pregnancy, even when she burns fat with regular aerobic exercise," Jones told the magazine.

▲ Jay Belsky, professor of human development, was quoted in the January issue of *Your Health* magazine about childless couples. New research shows that couples who are childless by choice are happier than couples with children, according to Belsky.

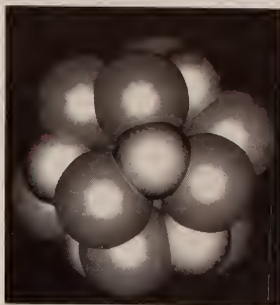
▲ *Scientific American* interviewed James F. Kastig, associate professor of geosciences, about using computer models to simulate climate under various conditions (February).

▲ In February, *New Woman* magazine quoted Geoffrey Godbey, professor of leisure studies, who says that women are still responsible for more household and child care duties despite their work outside the home.

▲ *Production* magazine (February) featured the robotics research of John Gardner, assistant professor of mechanical engineering.

▲ *Parents* magazine (February) profiles the research of Helen Hendy, assistant professor of psychology at

food simply because they like it — and they'll feel proud about being able to make decisions on their own," she noted.



A Penn State team led by A. Welford Castleman, Evan Pugh Professor of Chemistry, found a way to synthesize bulk quantities of metallo-carbohedrenes, a new class of hollow, cage-like compounds that they discovered a year ago. They have overcome obstacles in making a number of the molecules. Their recent work was featured in the April 10 issue of *Science News*.

▲ In the January-February issue of the *Columbia Journalism Review*, Linda Hunt, assistant professor of journalism, writes about the latest reminder of how far the government will go to ferret out news leaks.

▲ John Johnson, associate professor of psychology at the DuBois Campus, and his work on the two measurements of basic personality traits was featured in the Jan. 31 issue of *Montreal Gazette* in Canada. The story had appeared earlier first in the *Chicago Tribune* and later was distributed by the Tribune News Service, appearing in newspapers such as the *Columbus Dispatch*, *Detroit Free Press* and the *Los Angeles Daily News*.

▲ Clear, colorless products are the newest marketing trend. Manfred Kroger, professor of food science, notes in a Jan. 27 *Baltimore Sun* article, "Companies are bending over backward to make new products — 'clear' is just one of them." The story also appeared nationally in newspapers such as the *Indianapolis News*.

▲ Peter Meszaros, professor of astronomy and astrophysics, was mentioned in a Jan. 26 *New York Times* article about the mystery over the blasts of gamma rays that appear every few days from somewhere.

▲ In the Jan. 24 issue of the *London Sunday Telegraph* in England, Robert Plomin, professor of human development and family studies and biobehavioral health, was interviewed in an article about research searching for genes linked to certain genetic markers, which are thought to play a role in intelligence.

"There are probably 30,000 genes active in the brain. If so many are involved, then we are certainly not looking for one needle in an haystack — we're drawing out one straw at a time," Plomin told the newspaper.

▲ A study on Pennsylvania African-Americans and their life events was conducted by Michael Young, assistant professor of politics and public affairs, and associate director of the Center for Survey Research at

Penn State Harrisburg. His findings were featured statewide by Associated Press and United Press International (Jan. 19).

▲ A Jan. 17 *New York Times* article focused on neighboring research conducted by Barrett Lee, associate professor of sociology, and a Vanderbilt University colleague. The story, distributed by The New York Times Wire Service, was also published in newspapers such as the *Scottsdale Progress* in Arizona, *Miami Herald* and *San Francisco Chronicle*.

▲ What will be former President Bush's place in history? That question was analyzed by Tim Blessing, assistant professor of history at the Penn State Berks Campus. In the Jan. 17 issue of *Newsday*, he commented, "Bush clearly knew what he was doing in terms of the nuts-and-bolts of the presidency. But in the sense of satisfying the political needs and the inner desires of the American populace, George Bush never did so, and that was his undoing."

Blessing also has been asked by the media about the Clinton presidency, particularly the role of Hillary Rodham Clinton as first lady. A *USA Today* article in February quotes him about her leadership role in the health reform crusade; in January, he commented on the Clintons' down-to-earth approach to the presidency during inauguration.

▲ Lisa Williams, graduate student in wildlife technology, was quoted in the Jan. 16 issue of the *Houston Post*, discussing how to attract bats to your house to tackle bug problems. The story had been distributed nationally by CNET News Service.

▲ In *Genetic Engineering News* (Jan. 15), Henry Gerhold, professor of forest resources, discusses his research on developing better fir trees for Christmas. His work also was featured in the April 12 issue of the *Philadelphia Inquirer* and in the *Pittsburgh-Post Gazette*.

▲ In the Jan. 14 issue of the *Christian Science Monitor*, Jay Belsky, professor of human development, proposed a different kind of financial incentive for teenage girls not to get pregnant during their school years.

## Shhh! Secrets are emotional burdens

In early January, *New York Times* columnist Lawrence Kutner interviewed Louise Guernsey, professor of human development and counseling psychology, about the emotional burdens placed on children who are asked to keep family secrets.

"The big area for keeping secrets today involves divorced parents," Guernsey told *The New York Times*. "Children are asked not to tell that Dad was with his girlfriend or Mom has a boyfriend."

The column was distributed nationally by The New York Times News Service and appeared in newspapers across the country such as the *Houston Chronicle*, *Orange County Register* near Los Angeles, *Minneapolis Star Tribune* and the *Fort Worth Star-Telegram* in Texas.



▲ *The Wall Street Journal* (Jan. 13) profiled research led by Dr. Thomas Krummel, chief of the Division of Pediatric Surgery at The Hershey Medical Center. Researchers believe they have mimicked the fetal healing process in the test tube, which may eventually lead to improving scar formation problems in people.

▲ With the continuing conflicts in Bosnia, Zachary Irwin, associate professor of political science at Penn State Erie, The Behrend College, comments in a *USA*

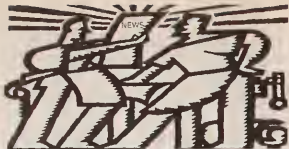
## SHORT TAKES

**Cult members are likely to be completely devoted to their leader and convinced, "they are the only ones who know the right way."**

Lita Schwartz distinguished professor of educational psychology at the Ogontz Campus, as quoted in *USA Today* on the Waco, Texas cult situation.

the Penn State Schuylkill Campus, who conducted a survey of parents, teachers and pre-schoolers. She found that giving children a say in what goes on their plates encourages them to eat a healthy diet.

"When children are given options, they'll eat the



## HOT OFF THE PRESSES

Today article (Jan. 13) that the Serbian president pressured the Bosnian Serb leader into accepting a U.N. peace plan.

▲ In an op-ed for *Newsday* newspaper (Jan. 13), Thomas Juravich, associate professor of labor studies and industrial relations at Penn State Great Valley, wrote that any federal job training program needs a job creation component.

"Without this job creation program, job training will be driven by our sluggish economy, instead of driving our economy down the road toward international competitiveness," wrote Juravich.

The op-ed was distributed on *The Washington Post*/Los Angeles Times Syndicate and reprinted in newspapers such as the *Charlotte (NC) Observer*, the *Stamford (Conn.) Advocate* and the *Ann Arbor (Mich.) News*.

▲ On Jan. 12, *The New York Times*, Associated Press and Reuters news services, mentioned the artificial heart work at *The Hershey Medical Center* in their news articles about an Arizona woman who received the first artificial heart in nearly two years. The story also ran in major metropolitan newspapers such as the *Orange County Register* near Los Angeles and *Salt Lake City Tribune*.

In March, a second Arizona resident received an artificial heart, according to Reuters News Service. The stories again mentioned the work done at *The Hershey Medical Center*.

▲ Penn State scientists at Breazeale Reactor have offered to conduct neutron activation analyses of the lead in 17th-century coffins, according to a Jan. 12 article in *The Baltimore Sun*.

▲ The Jan. 11 Patents column in *The New York Times* features a gene that essentially orders a cell to gift-wrap proteins so they can be harvested more easily. This is the work of John W. Wills, a molecular biologist now at *The Hershey Medical Center*.

▲ The Education Life section of the Jan. 10 issue of *The New York Times* features an article on nuclear engineering careers. Edward Klewans, head and professor of nuclear engineering, discusses other reasons why more employment opportunities may appear in the nuclear industry in the next few years.

### Craving salt is a basic urge

The need for salt can be a powerful motivator of behavior, ranking with such basic urges as hunger, thirst and sex. Behavioral scientists at *The Hershey Medical Center* are uncovering some tantalizing biological clues to why we crave salt.

"Salt-seeking has all the earmarks of a basic biological drive, but it's not commonly observed in people," said Ralph Norgren, professor of behavioral science.

The story was picked up and distributed nationwide by the United Press International with resulting articles coast-to-coast in newspapers such as the *Los Angeles Times*, *Atlanta Journal and Constitution*, and *Columbus Dispatch* in Ohio.

▲ Robert Murray, professor emeritus of American history, commented on how political scandals affected the reputation of presidents in two stories on the Bush presidency, originally published in *The Baltimore Sun* (Jan. 10) and republished in other newspapers such as the *Chicago Sun-Times*, *Dallas Morning News*, *Arizona Republic* and the *Windsor Star* in Canada.

▲ Keith Thompson, professor of music education, noted in the Jan. 10 issue of the *St. Paul Pioneer Press* that youths over age 10 spend more time listening to music in their room, than with the family. His comments appeared earlier in the *Knight-Ridder News*

▲ The Penn State Beaver Campus received national recognition (Jan. 8) from Reuters News Service, for its partnership role in the New Alliance College, a new school for students from Eastern Europe. The story appeared across the country in newspapers such as the *Chicago Sun-Times*.

▲ Jeff Andre and Richard Tyrell, doctoral candidates, and Herschel Leibowitz, Evan Pugh professor of psychology, were interviewed initially by the *Allentown Morning Call* about their research findings that people's ability to drive become significantly impaired at blood-alcohol levels much

### All eyes on Harrisburg

Health care reform is one of the most hotly debated issues today, and the formation of a health care task force by President Bill Clinton and headed by First Lady Hillary Rodham Clinton has received worldwide attention. Penn State got a glimpse of that intensity as the First Lady kicked off her health care reform crusade by attending the Pennsylvania Health Care Conference at the Penn State Harrisburg Campus on Feb. 11.

More than 100 reporters crowded onto the campus to cover the event.

When the dust finally settled, Penn State Harrisburg was mentioned in front-page stories about the conference, including those in *The New York Times*, *The Washington Post*, *USA Today*, *Associated Press*, *Reuters News Service*, *United Press International*, *The Baltimore Sun*, *Newsday* and *Knight-Ridder News Service*. The conference also was highlighted on national evening news of CBS, NBC, ABC and CNN, as well as local and state TV programs. C-Span, the public affairs cable TV channel, later broadcast the conference in its entirety.



The First Lady, Sen. Harris Wofford, and Tipper Gore

*Service*, *The Philadelphia Inquirer*, *Boston Globe* and the *Chicago Chronicle*.

▲ James Fairweather, associate professor of education and research associate in the Center for the Study of Higher Education, was featured by United Press International for his findings of higher rewards for professors in research than teaching. *The Los Angeles Times* (Jan. 10) used a chart from the Center for the Study Higher Education in a major story on teaching.

▲ A Gannett News Service reporter talked to Cheryl Achterberg, associate professor of nutrition, about how nutrition advice facts develop in the media (Jan. 10). "The media only publishes findings that are 'new,' often before there's been any agreement or consensus about whether the findings are true or valid," Achterberg said. The syndicated story appeared in the *Chicago Sun-Times* and other papers from New York to California.

▲ Jay Belsky, professor of human development, comments in a *New York Times* article (Jan. 8) that the odds are greater that a child will be abused by someone he knows, rather than a stranger.

less than the legal limits. The story was picked by *The Washington Post*/Los Angeles Times Syndicate and appeared in newspapers such as the *Montreal Gazette* in Canada (Jan. 7) and the *Indianapolis News* (Jan. 20).

▲ David Griffiths, assistant professor of journalism, writes an op-ed for *Newsday* newspaper, asking how does an economy emerging uncertainly from recession absorb displaced defense employees and military personnel?

"Such blue sky thinking makes sense only if taxpayers can pony up billions of dollars of seed money," he writes in the Jan. 6 issue. "In an overall policy sense, will such funding be available this decade as Clinton tries to cut the federal budget deficit without touching such politically sensitive entitlements as Social Security?"

▲ Beth Van Horn, a Cooperative Extension agent, teaches parents to train their kids how to survive home alone. Her suggestions were featured in two stories in the Jan. 5 issue of the *Philadelphia Daily News*.

▲ According to *The Wall Street Journal* (Jan. 5), a

## HOT OFF THE PRESSES

CONTINUED FROM PAGE 10

study led by Frank Landy, professor of psychology and director of the Center for Applied Behavioral Science, determined that chronological age is not the best criteria for job fitness.

▲ David Morand, professor of management at Penn State Harrisburg, researched how power in organizational settings affected politeness. His work was featured in January stories in *The Philadelphia Inquirer*, Knight-Ridder News Service, United Press International, *Miami Herald* and the *Vancouver Province* newspaper in Canada.

"How superiors and subordinates handle face-to-face encounters with one another depends largely on their perceptions of their relative power," he noted.

▲ A January story on women's gains in management jobs by the *Los Angeles Times* offers comments from Clifford Clogg, professor of sociology and statistics and an expert on the labor force. The story was distributed nationally by The Washington Post/Los Angeles Times Syndicate and appeared in newspapers such as the *Hackensack (N.J.) Record*.

▲ A story about Jonathan Hall, an instructor in physics at Penn State Erie, the Behrend College, and his approach to undergraduate teaching appears in a January issue of *China Post*. It was earlier profiled by the Associated Press and went as far as the *Strait Times* in Singapore.

### Life after death? We believe

A study about the enduring religious beliefs of Americans received wide national attention in early January. The research conducted by Glenn Firebaugh, professor of sociology, and Brian Hurley, doctoral candidate in sociology, was extensively profiled by Associated Press.

In analyzing General Social Surveys data from 1973 to 1991, the researchers noted that the number of Americans who said they believed in life after death remained nearly unchanged from year to year at about 78 percent.

The story was published in major metropolitan newspapers such as *The Baltimore Sun*, *Houston Chronicle*, *Orlando Sentinel* in Florida, the *Indianapolis Star* and the *Rocky Mountain News* in Colorado.



Glenn Firebaugh

▲ The January issue of *Atlantic Monthly* offers an article on the geography of AIDS by Peter Gould, Evan Pugh Professor of Geography, and Joseph Kabel, who did this research for his doctoral dissertation. The researchers discussed how the spread of the AIDS epidemic can be mapped by methods such as spatial adaptive filtering and neural computing.

▲ *Science* and *Scientific American* both feature January stories about the second meeting on the question of preserving Human Genome Diversity, which was hosted at Penn State. Anthropologists, linguists and geneticists attempted to prioritize the world's diverse populations to sample for permanent cell lines.

▲ Penn State graduate student Anne Stone was featured in articles in the January issues of *Science* magazine and the *Dallas Morning News* for her work with Mark Stoneking, using new techniques to obtain

mitochondrial DNA from bones. She is trying to track migrations of people in the New World.

### Tips for microwaving baby formula

Madeline Sigman-Grant, assistant professor of food science, was quoted in two stories that recently received national attention. The development of guidelines for safely microwaving baby formula, developed by Sigman-Grant and colleagues, was profiled by the Associated Press across the country and in prominent consumer magazines such as *Better Homes and Gardens*, *Glamour*, and *First for Women*. Also, she was interviewed by a *Pittsburgh Press* reporter about the health benefits of drinking water. The story was picked up by the *Scripps Howard News Service* and widely published by other newspapers including *Arizona Republic*, *Dallas Morning News*, *Long Beach Press-Telegram* in California, and the *Windsor Star* in Canada.



▲ Barbara Rolls, Jean Phillips Shibley professor of biobehavioral health, and her work on the human appetite were extensively profiled in the January issue of *Self* magazine.

▲ *Graduating Engineering* magazine (January) offers a lengthy profile of a progressive course in innovative design taught by Jack Matson, director of the Leonhard Center for Innovation and Enhancement of Engineering Education.

▲ A *Boston Globe* story focused on a person's psychological growth well into his or her senior years. Comments came from Paul Kettl, assistant professor of psychiatry at The Hershey Medical Center. The story was distributed nationally and appeared in newspapers such as the *Denver Post*, the *Fort Worth Star-Telegram* and the *Calgary Herald* in Alberta, Canada.

▲ In a *Wall Street Journal* article about the U.S. study of fungus toxin, Paul Nelson, director of the Fusarium Research Center and professor of plant pathology, notes that the explosion of interest in

fungus might frighten consumers as well as shake up the grain industry.

▲ James Van Horn, professor of rural sociology, and Robert Nuss, professor of ornamental horticulture, each write weekly columns for Associated Press in Pennsylvania, which reaches all the daily newspapers in the state. For nearly 10 years, Van Horn has provided commentary on individual and family issues, while Nuss has been offering information and advice on horticultural topics for several years.

▲ The book *Parents whose Parents were Divorced* by R. Thomas Berner, professor of journalism and American studies, was featured nationally in *USA Today*, *The Philadelphia Inquirer*, Knight-Ridder News Service, *Atlanta Journal* and the *Toronto Star*. He also was interviewed by KDKA radio in Pittsburgh and a station in Windsor, Ontario.

▲ The relationship enhancement course headed by Bernard Guernsey, professor of human development and family studies and counseling psychology, was highlighted in stories about married couples in such newspapers as the *Houston Chronicle* and the *Charlotte (N.C.) Observer*.

▲ Dennis Murphy, professor of agricultural and biological engineering, advises older farmers to reduce their risks on the job and avoid farm injuries. His comments appeared in media outlets such as *The Philadelphia Inquirer*, Knight-Ridder News Service, United Press International and *Dallas Morning News*.

▲ Leif Jensen, assistant professor of rural sociology, is quoted in an Associated Press story on racism in the communities surrounding the state-owned colleges in Pennsylvania. It also appeared in *The Philadelphia Inquirer*.

▲ Penn State researchers in Energy and Fuels Research Center will lead a team helping the U.S. Department of Defense to decrease reliance on imported oil and increase use of domestic coal. The story was picked up by the Associated Press and *USA Today*.

▲ Eric Barron, director of the Earth Systems Science Center, was quoted by the Dow Jones News Service, the *Arizona Republic* and the *Inland Valley Daily Newspaper* in California on the effects of carbon dioxide in the atmosphere.



**El Impacto de Dos Mundos**, one of five multicultural murals at the HUB on the University Park Campus, was created by a team of student, faculty and staff artists and was the focus of an April 14 short story in *The Chronicle of Higher Education*. The full-color photo, taken by photojournalist Greg Grieco, accompanied the article.

# HIT LIST

## FIRST QUARTER NEWSPAPER AND MAGAZINE PLACEMENTS FOR 1993 (ESTIMATED)

NATIONAL / INTERNATIONAL NEWSPAPERS AND MAGAZINES	464
WIRE SERVICES: PENNSYLVANIA & U.S.	127
PENNSYLVANIA NEWSPAPERS AND MAGAZINES (PITTSBURGH, HARRISBURG AND PHILADELPHIA)	220

## 1992 NEWSPAPER AND MAGAZINE PLACEMENTS

NATIONAL / INTERNATIONAL NEWSPAPERS AND MAGAZINES	1,681
WIRE SERVICES: PENNSYLVANIA & U.S.	517
PENNSYLVANIA NEWSPAPERS AND MAGAZINES (PITTSBURGH, HARRISBURG AND PHILADELPHIA)	943

These numbers reflect clipping information available to the Department of Public Information, and do not include statistics from the Department of Sports Information.



### Archaeology for today from "Out of the Past"

"Out of the Past," an eight-part film series focusing on modern anthropological archaeology, was broadcast nationally in April by PBS. The series was produced by two Penn State anthropology professors, William T. Sanders (left) and David Webster (right), with major funding by the Annenberg/CPB Project. Program segments are structured around questions that are central to archaeological research about family life, trade and craft productions, government and politics, language and art, and religion.

The series is also serving as a college-level television course in introductory archaeology.

## TV PLACEMENTS



### On the air with Penn State faculty

Penn State's faculty are no strangers to the television viewing audience. At least 40 national television appearances by Penn State faculty or mentions of Penn State in national stories were tallied in 1992, and 1993 is moving at a rapid pace with placements numbering 12 as of mid-April.

Among the results were stories on PBS, CNN, "CBS This Morning", C-SPAN, "CBS Evening News," "NBC Nightly News," "ABC News," The Discovery Channel and various independent networks.

Some of those interviewed were:

- Merrilea Mayo, assistant professor of materials science and engineering, was interviewed in a CNN story about the Big 3 automakers.

- A. Russell Localio, from The Hershey Medical Center, discussed with a reporter at WNBC's "Today in New York" program his findings statistically linking cesarean births and malpractice rates.

- Darryl Steffensmeier, professor of sociology, discussed the workings of the Philadelphia mob with Bill Kurtis on "Investigative Reports," which is broadcast on Arts & Entertainment cable TV network.

- In early March, the science program "Beyond 2000" broadcast a lengthy segment about the NASA weightlessness study, headed by Peter Cavanagh, distinguished professor of locomotion studies, biobehavioral health and medicine. Based in Australia, the show is broadcast worldwide and can be seen on the Discovery cable TV channel in the United States.

UNIVERSITY RELATIONS  
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(814) 863-1028

## DIRECTORY

DEPARTMENT OF PUBLIC INFORMATION  
312 OLD MAIN  
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## Sign language: A key to better vocabulary skills?

Children who learned both American Sign Language and spoken English at an early age have larger English vocabularies and better language skills, suggests a pilot study by a University researcher.

Marilyn Daniels, assistant professor of speech communication at the Penn State Worthington Scranton Campus, noted, "American Sign Language (ASL) is truly language in motion. Preschoolers who know both ASL and spoken English have learned the language through their senses of sight and sound and through physical movement." ASL, which employs both face and hand movement, is recognized as a complete grammatical language. It fulfills foreign language requirements at many universities across the United States, including Harvard University and George Washington University.

Dr. Daniels' study, which is published in the spring issue of the journal, *Sign Language Studies*, focused on 14 children, ranging in age from 2 years and 10 months old to more than 13 years old. The



Marilyn Daniels works with Shaina Dymond.

Photo: Julie B. Farr

children have normal hearing, had learned ASL as preschoolers, and are fluent in ASL and in English. With the exception of one child, one or both parents of the children tested are deaf.

Dr. Daniels used the Peabody Picture Vocabulary Test in which each child is shown a series of four simple black-and-white illustrations. The examiner says a word and asks the child to choose the picture that best illustrates the word's meaning.

The bilingual, bimodal children in the test group scored nearly 10 points higher than the average scores of children who know only spoken English.

"The question is: How could ASL have aided these children in acquiring English, especially in acquiring a larger than normal vocabulary," Dr. Daniels noted.

By signing what is being vocally expressed, the child is provided with additional cues: the signs represent the message both visually and kinesthetically. This experience simultaneously delivers the message in a visual, auditory and

physical-kinetic form, according to Dr. Daniels.

These multiple neural signals may lead to a multiple imprinting on the learners' memory; thus, the two languages, ASL and spoken English, together offer a richer language base for young learners.

"ASL relies heavily on gesture and iconic expression," Dr. Daniels explained. "Children who learn it as preschoolers are using more gesture and mime in the developmental process than are children who acquire only spoken English.

"Further study is needed on the effect of ASL on the acquisition of English by hearing children," she noted.

In additional research, Dr. Daniels also has pre-tested four pre-school classes of hearing children in Maryland elementary schools where sign language is taught to hearing children. She will test the children again to measure the language growth of all classes.

— Jennifer Brock

## So, how old is the universe?

Something is fundamentally wrong with our understanding of the universe if a Penn State astronomer's measurements of the distances between galaxies is correct.

Astronomers agree that if they can determine how fast the universe is expanding, they can determine the age of the universe. The Hubble Constant, proposed by astronomer Edwin Hubble, is a measure of the expansion rate of the universe. It is the velocity at which a galaxy is moving away divided by the galaxy's distance from a reference point, usually our galaxy.

It turns out that measuring the velocity of galaxies is trivial, but measuring the distances has proven more difficult," said Robin Ciardullo, assistant professor of astronomy.

Astronomers have been trying to measure the distance to galaxies for the past 50 to 60 years, and the estimates of the Hubble Constant range from 163 kilometers per second per million light years to 326 kilometers per second per million light years.

"This spread gives an estimation of the age of the universe that ranges

between 10 billion to 20 billion years," he said.

"Our technique, called the Planetary Nebulae Luminosity Function, uses planetary nebulae to measure galactic distances and gives a Hubble Constant of between 260 and 275 kilometers per second per million light years," Dr. Ciardullo added.

So what's it all mean? Well, according to Dr. Ciardullo, using their method, the universe is "almost uncomfortably young." "Somewhere between 8 billion and 12 billion years old. But there's just one hitch — the currently accepted estimate of the age of the oldest star is 15 billion years.

"Obviously something is fundamentally wrong with our understanding of the universe if these numbers hold true," he explained. "In my opinion, the conflicts in ages of the universe and the oldest star are simply making the universe a more interesting thing to study."

## Employee costs lower in rural Pennsylvania

Rural Pennsylvania offers lower employee costs for industries than urban areas, according to a Penn State economist.

"Firms in lower cost areas can pay lower wages ... while still providing their workers with an equivalent standard of living," said James A. Kurre, associate professor of economics at Penn State Erie, The Behrend College.

In Dr. Kurre's recently completed study, he prepared cost-of-living estimates for Pennsylvania's 67 counties, for both overall expense and for six categories of expenditure: groceries, housing, utilities, transportation, health, care and miscellaneous goods and services.

Compared to that of urban counties, the rural cost-of-living indexes were lower overall and for

each of the six categories. With housing and utilities, the differences were substantial.

"In terms of overall cost of living, a dollar spent in Fayette County will go 38 percent further than in Philadelphia," Dr. Kurre noted. "A dollar spent on housing goes 67 percent further in Fayette than in Chester County."

Other assets of rural Pennsylvania are lower crime rates and the low cost of health care.

In terms of overall expense, the lowest cost-of-living counties were Armstrong, Cameron, Fayette, Fulton, Green and Washington. The highest were Allegheny, Bucks, Delaware, Montgomery and Philadelphia.

"An obstacle to industry relocation in a low-cost rural county would be labor contracts imposing the same wage level for all workers in a specific category, regardless of location," Dr. Kurre said. "While labor negotiators have long recognized the need to make cost-of-living adjustments due to inflation, they have been less willing to adjust for lower cost of living in rural areas."



**Featured author**

Joe Humphreys, world-renowned fly fisherman, will be the featured author at the Penn State Bookstore on campus, from noon to 2 p.m. today. Mr. Humphreys will be available to sign and discuss his book *On the Trout Stream With Joe Humphreys*.

His book addresses the interests of his fellow fishermen—from stream and seasonal conditions, behavior of aquatic life, flycasting techniques - to showing ways to figure out what the trout are taking and how, in myriad different stream situations.

This book is based on more than 100,000 hours of hands-on trout fishing experience on some of the world's toughest water. Mr.

Humphreys has taught students at Penn State and has shared his expertise in various fishing clinics he conducts. For 11 years, the 15-pound trout Mr. Humphreys caught in 1978 held the Pennsylvania record.

The public is invited to attend the book signing

and fly fishing discussion on Thursday and receive a 20% discount on Mr. Humphreys' books.

**Flute Ensemble**

The Penn State Flute Ensemble, under the direction of Eleanor Armstrong, assistant professor of music, will perform in concert at 12:10 p.m. today, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series

sponsored by the School of Music and the University Lutheran Parish.

The program will feature chamber music for flutes, including works by Mozart, Albinetti, McKay and Handel for two, three, four and six players. The concert will conclude with 18th-century works transcribed for flute choir.

The concert is free to the public.

**Spring concert**

The Penn State Concert Band will present its 17th annual spring concert at 7 tonight in the Ballroom of the Hetzel Union Building on the University Park Campus.

The program will feature original works for concert band: *Symphony No. 1* by Claude Smith and *"Scenes from the Louvre"* by Norman Dello Lolo.

Other selections will include a transcription of Shostakovich's *"Festive Overture"* and a medley of music by Aaron Copland. The band also will perform the John Philip Sousa march "Fairest of the

Fair" and Percy Grainger's "Australian Up-Country Tune."

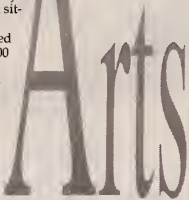
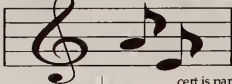
The band is under the direction of O. Richard Bundy, assistant professor of music education. Assisting him will be Steven Raisley, graduate assistant in the School of Music.

The concert is free to the public.

**The arts on Channel 3**

Everybody dances. From the stylized steps of the Japanese Kabuki to the varied Polkas of Bavaria, Austria, Hungary, Romania, Bulgaria, Italy, Slovakia, Yugoslavia, Poland, Estonia, Latvia, Lithuania, the Scandinavian countries, Mexico and even the Orient, people the world over express themselves, their culture, and their history through dance. "Dancing," a comprehensive eight-part series that illuminates the place of dance in world culture, begins at 9 p.m. Monday, May 3, on WPSX-TV.

Six years in the making, the series was filmed in more than a dozen countries on four continents to probe the meanings behind the world's dances and reveal the profound ways in which dance reflects life. Each one-hour program focuses on a specific aspect of dance, such as its religious significance, its expression of social values, and its role as a medium of cultural fusion. WPSX-TV viewers can watch and enjoy Channel 3's locally produced ethnic dance program Polka Celebration at 10 p.m. every Saturday.



**Communicator on campus** — Carmen Finestra, an executive producer and writer for the No. 1 hit ABC-TV comedy "Home Improvement," spent several days at University Park last week along with other graduates of the University who serve on the School of Communications Alumni Society Board of Directors. Mr. Finestra, a member of the class of 1969, served on several panels in the School and met with students to offer career advice.

Photo: Howard P. Nuernberger

**PENN STATERS**

John Beard, associate professor of nutrition, has been appointed to the Institute of Medicine, National Academy of Science, Committee on the Prevention, Detection, and Management of Iron Deficiency Anemia among U.S. Children and Women of Childbearing Age. The committee is charged with the re-evaluation of current recommendations on maternal iron requirements during pregnancy, lactation, and the reproductive years and the iron requirements of infants and young children.

Caroline D. Eckhardt, professor and head of the Department of Comparative Literature, has been elected to a three-year term on the executive board of the Association of Departments and Programs of Comparative Literature (ADPCL). Established to serve as a national comparative literature administrators' association, the ADPCL, in affiliation with the Modern Language Association, provides a forum for issues concerning Comparative Literature as an academic discipline.

George M. Enten, professor of Russian history, spoke on "D. la. Kin and Stalinist Mythology," at an international conference, "Russia in the Twentieth Century," sponsored by the Institute of Russian History of the Russian Academy of Science in Moscow.

Gideon S. Golany, distinguished professor of urban design in the Department of Architecture, has been unanimously nominated as a member of the Academic Committee at the Babylonian Jewry Heritage Center of Yehuda, Israel.

D. Douglas Miller, professor of music and director of choral studies, has been elected state president of the American Choral Directors Association. The organization serves the choral profession at all levels, from public schools to professional ensembles, and currently includes more than 16,000 members.

**PRIVATE GIVING**

**Mateer Building receives another \$50,000 boost**

Ecolab Inc., a worldwide provider of institutional services to the hospitality industry, has given \$50,000 to help build and equip Penn State's Mateer Building, new home of the School of Hotel, Restaurant and Recreation Management.

The building, now under construction, is being financed largely by private gifts and will open by the

start of the 1993-94 academic year. It will include production and research kitchens, dining room, classrooms, technology center and auditorium, hospitality resource center and faculty offices.

The project has garnered more than \$4 million in commitments from alumni, friends and businesses in the hospitality industry. About \$2.1 mil-

lion in University funds also has been designated for the building.

"We're pleased to join in the broad base of support for the Mateer Building, which promises to be a state-of-the-art facility," said Ecolab's vice president for industry relations, Vincent Feehan, who was instrumental in securing the gift.

St. Paul, Minn.-based Ecolab is an

international developer and marketer of institutional cleaning and sanitizing services, lodging systems, and dairy and food processing services.

The School of Hotel, Restaurant and Recreation Management enrolls about 800 students. It is a unit of the College of Health and Human Development.

# University Park Calendar

April 29 — May 16

## SPECIAL EVENTS

**Thursday, April 29**  
 Union Programs, noon, Kern Lobby. Gordon Law Friends, modern jazz group.  
 Penn State Book Store, noon, featured author, Joe Humphreys, "On the Trout Stream With Joe Humphreys."  
 Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Flute Ensemble.  
 Continuing Education Scholars Forum, 2 p.m., Colonial Room II, Nittany Lion Inn. Shery Willis on "Maintaining Professional Competence: Adult Learning and Development through the Life Span."  
 The Penn State Concert Band, 7 p.m., HUB Ballroom. 17th Annual Spring Concert.  
 Health and Human Development, 8 p.m., HUB Assembly Room. Michael Smyer on "Mental Health Services in Nursing Homes: Still Crazy After All These Years."  
**Friday, April 30**  
 Geography Coffee Hour, 3:30 p.m., 319 Walker. Susan Hanson on "Gender, Work and Space."  
 Zero Year Reunion (2 yr.), 4 p.m., HUB lawn. Featuring free ice cream, The Diges, slip and slide, and information on the Alumni Association and clubs.  
 Sports Medicine, 5:15 p.m., Keller Conference Center. Gayle Plant on "The Female Athlete and The Media: A Look Behind The Scenes."  
 Shaver's Creek, 7 p.m., Woodcock Walk.  
 The 1993 CAN Film Festival, "A Showcase of Student Films," 8 p.m., Schwab Aud. Tickets required.  
 School of Music, 8 p.m., Recital Hall. Duo Piano Recital, Carl Blake and Cherie Curry.  
**Sunday, May 1**  
 Shaver's Creek, 8:30 a.m., Teamworks.  
 Wednesday, May 5  
 Department of Veterinary Science, A.L. Borfere Lecture, 8:45 a.m., 201 Classroom Bldg. James Popp on "Relationship of Peroxisome Proliferator-Induced Cellular Effects to Hepatocarcinogenesis."  
**Thursday, May 13**  
 Sigma Xi Lecture, 4 p.m., Matson Museum of Anthropology, Carpenter Bldg. Fred Matson to speak.

## PUBLIC RADIO

WPSU-FM 91.1  
 "All Things Considered," Monday-Friday, 5-8:30 p.m.; Saturday and Sunday, 5-6 p.m.;  
 Morning Edition, Monday-Friday, 6-8 a.m.;  
 Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.  
 "Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein.  
 "Perspectives," 5:30 p.m. Wednesdays.  
 "Scenes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursdays.

## CONFERENCES

**Friday, April 30**  
 Medical and Orthopedic Issues in Active Women, 20 attendees, Doss Inn, Hampton Inn. M. Lynch, chair; R. Maclean, coordinator.  
**Sunday, May 2**  
 Harrison's & Crosfield Management Program, 30 attendees, Nittany Lion Inn, through May 7. M. Taylor, chair; J. Menotter, coordinator.  
**Monday, May 3**  
 Better Process Control School, 90 attendees, Nittany Suites, through May 6. G. Kuhn, chair; M. Johnston, coordinator.  
 ■ U.S., Australia, and Regional National Defense Interactions in Asia-Pacific, 40 attendees, Atherton Hilton, through May 4. H. Albiniski, chair; R. Maclean, coordinator.  
 HEC-2 Floodplain Hydrodynamics, 35 attendees, Hampton Inn, through May 7. A. Miller, chair; B. Impellitteri, coordinator.  
 POLEX-UP, 25 attendees, Best Western, Nittany Lion Inn, through May 14. J. Homer, chair; E. Loop, coordinator.  
**Tuesday, May 4**  
 Maintenance Executive Development Program, 125 attendees, Nittany Lion Inn, through May 6. M. Steele, chair; W. Sterner, coordinator.  
 Troubleshooting O&M Problems in Water Treatment Plants, 30 attendees, Nittany Lion Inn, through May 6. D. Long, chair; E. Loop, coordinator.  
**Thursday, May 6**  
 Spring Water Safety Weekend, 60 attendees, through May 9. T. Griffiths, chair; E. Loop, coordinator.

**Friday, May 7**  
 SEDA COG Environmental Conference, 300 attendees, Nittany Lion Inn, Holiday Inn, Days Inn, through May 8. S. Curtis, chair; G. Peterson, coordinator.  
**Monday, May 10**  
 PA Rural Health Issues, 200 attendees, Days Inn Penn State. Through May 11.  
 PA Bar - How to Prepare the Federal Estate, 10 attendees. S. Hendrick, chair; N. McCord, coordinator.  
 Simulation of Flow and Transport in Subsurface, 20 attendees, Nittany Lion Inn, through May 14. G. Yeh, chair; B. Impellitteri, coordinator.  
 Chocolate Manufacture Short Course, 25 attendees, through May 19. P. Dimick, chair; G. Peterson, coordinator.  
 ■ International Conference on "Analysis of Categorical Data in Development Research," Keller Conference Center, through May 12. Co-Organizers: Alexander von Eye and Clifford C. Clogg.  
**Tuesday, May 11**  
 Overview of Coal Mining, 12 attendees, Days Inn, through May 13. R. Frantz, chair; R. Maclean, coordinator.  
 Mammalian Cell Culture, 15 attendees, Days Inn, through May 14. K. Rashid, chair; J. Milco, coordinator.  
**Wednesday, May 12**  
 PA State History Day, 700 attendees, Pollock Commons, through May 13. D. Munger, chair; E. Loop, coordinator.  
 Rural Development Partners Conference, 35 attendees, Atherton Hilton, through May 13. D. Hensley, chair; G. Peterson, coordinator.  
**Sunday, May 16**  
 Pennsylvania Junior Academy of Science, 2,600 attendees, Pollock Commons, through May 18. H. McCoullum, chair; J. Sinclair, coordinator.  
 Managing the Global Enterprise Program, 35 attendees, Nittany Lion Inn, through May 28. J. Menotter, chair.

## SEMINARS

**Thursday, April 29**  
 Ceramic Science, 11 a.m., 301 Steidle Bldg. Terry Mitchell on "Mechanical Properties of Molybdenum Disulfide and Other High Temperature Materials."  
 ■ Gerontology, 4 p.m., 106 Mitchell Bldg. Richard Burkholder on "Sharing

Prosperities Across the Age Distribution in Comparison of the United States and Germany in the 1980s."  
 Computer Science, 4 p.m., 325 Whitmore Lab. Eugent Parkvater on "Hensel Lifting in the Problem of Polynomial Factorization."  
**Friday, April 30**  
 CRCN, 10:30 a.m., 115 Beam Bldg. Nicholas Yannelis on "Cores in Values: Economics with Differential Information."

## EXHIBITS

**Kern Galleries:**  
 Exhibit of quilts by Leah H. Witzig, through May 18.  
**HUB Art Alley Cases:**  
 Central Pennsylvania Guild of Craftsmen celebrating "The Year of the American Craft." Multi-media show of crafts, pottery jewelry, woodworking, stained glass paintings, quilting, weaving and hand-made paper, through May 23.  
**Formal Gallery:**  
 "To Color America: Portraits By Winold Reiss," through May 2.  
**Zoller Gallery:**  
 Master of Fine Arts Thesis Exhibition, Richelle Post, through May 7.  
**Pettee Library Lending Services Gallery:**  
 Exhibition of oil and watercolor paintings by Vincent Carducci, through May 15.  
**West Lobby:**  
 Exhibition of photographs by John Rodenhansen documenting experiences in southeast Alaska, May 1 through May 18.  
**East Corridor Gallery:**  
 Exhibition of theatre designs by Amy Higgins, through May 17.  
**University Archives/Penn State Room:**  
 "Why Not for Girls?" Dorothy W. Harris and Women's Sports Psychology," through May 5.  
**TIPS**  
 Information Penn State  
 Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Webpage—234; Arts Line—345; University Calendar—456.  
 ■ Reflects an international perspective

## Berks Campus

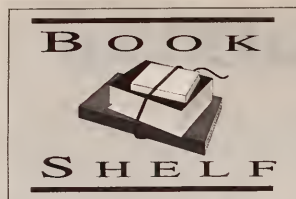
### Student center name honors former CEO

The Student Center at the Penn State Berks Campus has been renamed the Perkins Student Center in honor of Harold W. Perkins.  
 At a renaming ceremony April 21, a plaque honoring Dr. Perkins was placed in the lobby of the building. He also received a watercolor of the building painted by Reading artist Harry Bentz.  
 Dr. Perkins served as Berks Campus executive officer for 25 years, from July 1959 to July 1984. He began his service at the Penn State Wyoming Campus, which in 1958 was renamed the "Berks Center" and became the 14th Commonwealth Campus in the University system.  
 Prior to taking this position, he was associate dean of men at the University Park Campus for 10 years.  
 Dr. Perkins received his bachelor of arts degree in 1941 from Washington and Jefferson College. He

holds a master's degree in psychology, and a Ph.D. in higher education, both from Penn State.  
 Dr. Perkins remains active as CEO emeritus and serves on a number of committees and boards, both on the campus and in the community.  
 Upon his retirement, alumni, friends and colleagues established the Harold W. and Jeanne Perkins Endowment Fund, in honor of he and his wife. Dr. Perkins also was the recipient of the 1990 Loyal Penn State Award, presented by the Penn State Club of Berks County.  
 Construction of the Student Center was completed in 1973 as a result of the first locally organized Berks Campus Capital Campaign. The building includes classrooms, offices, the theater, the Freyberger Gallery, food services area and a student activities room.

## PARTINGS

Carol Alimenti, administrative staff assistant to the director of student programs and services at the Penn State Worthington Scranton Campus, has retired after 22 years service.  
 A graduate of John Harris High School in Harrisburg, Ms. Alimenti received her secretarial degree from Central Pennsylvania Business College. She worked as a secretary at Royal Typewriter Company in Harrisburg prior to her employment at Penn State.  
 She is a past officer of the Moosic Women's Club and has been an officer in various church organizations. She and her husband are active in the local square dance organization, Saints and Aints.  
 Gayle K. Boltz, staff assistant IV, at Hershey Medical Center, from Mar. 5, 1973, to April 29.  
 Ricky L. Brandt, supervisor, Safety and Police, at Berks Campus, from Oct. 17, 1977, to March 20.  
 Bruce W. Burns, maintenance worker general B, at Ogontz Campus, from May 4, 1981, to March 16.



Eric D. Feigelson, professor of astronomy and astrophysics; and G. Jogesh Babu, professor of statistics, are coeditors of *Statistical Challenges in Modern Astronomy*, published by Springer-Verlag New York, Inc.

The book is the result of a workshop held at Penn State in August 1991 on the challenges encountered in modern astronomical research. The conference, attended by both astronomers and statisticians, was initiated to bridge the gap between statistics and astronomy.

Astronomers now need advanced statistical techniques to perform the complex analyses necessitated by the growth in data acquisition from new detectors and telescopes. Discussions at the conference included galaxy clustering, truncation and censoring, Bayesian and image analysis, time-series analysis, and multivariate analysis.

The volume contains review lectures by astronomers, followed by invited commentaries by statisticians. Several discussions contain information on journals, societies, funding, and recent experiments useful to students and researchers.

S.K. Majumdar, Lafayette College; L.S. Kalkstein, University of Delaware; B.M. Yarnal and E.W. Miller, Penn State, and L.M. Rosenfeld, Jefferson Medical College, are co-editors of *Global Climate Change: Implications, Challenges, and Mitigation* published by The Pennsylvania Academy of Science.

Since the Environmental Protection Agency sponsored its initial sea level rise conference in 1983, global climatic warming and its possible greenhouse effect has moved from the scientific realm to a subject of concern to the world's political leaders. This book presents a broad perspective of the potential problem of global climate change.

Other authors from Penn State are Thomas P. Ackerman, Department of Meteorology and Earth System Science Center; Robert G. Crane, Department of Geography and Earth System Science Center, Adam Rose, Department of Mineral Economics; and Diana Liverman, Department of Geography.

E. Willard Miller, professor of geography and associate dean for retired instruction emeritus, in the College of Earth and Mineral Sciences, and Ruby M. Miller, retired map librarian in Pattee Library, are co-authors of *Water Quality and Availability* published by ABC/CLIO of Santa Barbara, CA.

The volume is a science reference book on water, our most fundamental resource. Modern urbanization imposes heavy demands on water, and the steady rise in consumption of water in our industrial society explains why we now regard our water supplies with great concern.

An introductory chapter provides a background for sources of water, distribution and variability of precipitation, water supply, means of increasing the water supply, and modern day contamination. The chapter concludes with a discussion of water management issues and strategies.

Other chapters include laws and regulations that have evolved at all levels of government from local to federal, a chronology of some of the critical dates in water development, and a listing of government and private organizations established to study or regulate the uses of water.

A selected bibliography, including annotations of about 100 books as well as several hundred journal articles and government documents, reflects the rapid increase of literature on water. The volume concludes with an annotated list of films.

Jerry C. Olson, chair and professor of marketing, is the coauthor of *Consumer Behavior and Marketing Strategy*, a text on buying behavior design for both graduate and undergraduate students.

Just released in its third edition, the book is published by Richard D. Irwin Inc., and was written with J. Paul Peter of the University of Wisconsin.

*Consumer Behavior* covers the acquisition, consumption and disposition behaviors of buyers with a particular focus on their decision processes in making purchases. The book offers a conceptual model that can help researchers analyze and understand consumer activity.

The model suggests that purchasing can be understood as in interaction of four factors—the actual behaviors involved, the effect and cognition associated with those behaviors, the physical and social environments in which the behaviors take place, and any marketing strategies that might be involved.

Dr. Olson, a faculty member in The Smeal College of Business Administration, holds the Charles and Lillian Binder Faculty Fellowship in Business Administration.

25-YEAR AWARDS

Observing 25 years of service to the University are:



Meredith C. Telesha, (left) employment specialist/procedures analyst, at The Hershey Medical Center, and Vernon L. Eminhizer, toolmaker in Operations at the Applied Research Laboratory.



W. Ralph Hall, associate research engineer in the Fluid Dynamics Department's Concept Engineering Group, and Oliver H. McDaniel, research associate and assistant professor of acoustics in the Power and Mechanical Systems Department, both at the Applied Research Laboratory.



Lynn A. Poole, research associate and assistant professor of acoustics in the Systems Engineering Department, and Marvin E. Stauffer, sheet metal worker in Operations' Shop Group, both at the Applied Research Laboratory.

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April 29, 1993  
Vol. 22, No. 30

PENNSTATE INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

May 13, 1993

Volume 22, Number 31

## New course for doctoral candidates could help make better teachers

Ten doctoral candidates in The Smeal College of Business Administration have completed a new course designed to make them more effective teachers.

Called "Preparing for the Professorate," the one-credit, semester-long course was created to provide future business professors with the tools they will need to be successful in the classroom. Essentials include preparing goals and objectives, use of traditional multimedia instructional tools, testing and evaluation of students, case study methods and managing classroom diversity.

**The semester-long course was created to provide future business professors with the tools they need to be successful in the classroom.**



**Guard your home with an attack rabbit?**

That's what Tricia Waniewski suggests to Glenn McMillen, fellow senior in mechanical engineering. As part of a course designed by John S. Lamanusca, associate professor, students designed and built working home security models that integrated computers and electro-mechanical devices. The models all had a zany twist based on the inspirations of cartoonist Rube Goldberg, known for his drawings of complex and absurd, but theoretically workable, mechanical systems.

Photo: Greg Grieco

Students also attended a special session on teaching as a privilege and a panel discussion on what is expected of a business school professor in today's educational environment. Each student is required to complete a paper for the course and must pass Penn State's English proficiency test, SPEAK.

According to program coordinator and chief instructor Robert E. Griffin, the preparatory course enhances and standardizes activities that were once the individual responsibility of each of The Smeal College's seven academic departments.

For its faculty, the program uses Smeal College faculty and staff, including associate dean Peter D. Bennett, as well as specialists and experts from across the University Park Campus.

"They see the best of the best," Mr. Griffin said.

The doctoral candidates also have individual faculty mentors to further their learning.

Members of the first "graduating" class were Moses Altsch and Swati Jantrani, doctoral candidates in the Department of Marketing; Abedkader Daghighi, Ram Ganeshan, Elena Katok, Nam Kim, and Liam O'Neill, Management Sciences and Information Systems; Michael Patten and Jason Phillips, Business Logistics; and Michael Woolfolk, Finance.

## Manufacturer joins Center for Cell Research

Merocel Corporation, a manufacturer of absorbent products for biomedical applications, has joined the Center for Cell Research as a commercial partner.

The CCR, a NASA Center for the Commercial Development of Space, provides initial access to space for U.S. companies, helps plan and conduct R&D for industry-defined projects, and transfers the technology and services it develops to commercial providers.

Merocel and the CCR are collaborating on an experiment scheduled to fly aboard the Space Shuttle June 3. The experiment, to be performed with adult male rats, will investigate whether growth factors can restore or accelerate tissue repair under near weightless conditions or microgravity.

See "Partners" on Page 3

## Shuttle bus planned for commencement attendees

The University will operate a free shuttle bus between the student commuter lot across from Beaver Stadium and Recreation Building for students, parents and friends attending commencement ceremonies on Saturday and Sunday, May 15 and 16.

The shuttle will run in a continuous loop with stops at Recreation Building and the commuter lot about every three minutes from 8 a.m. to 7:30 p.m. Saturday, May 15, and from noon to 3 p.m. Sunday, May 16. About 6,000

students are expected to graduate from Penn State at University Park this weekend.

Patrons are asked to park in the commuter lot because construction on the parking deck near Keller Conference Center, and other construction activities in the center of campus will make Recreation Building parking and cross-campus driving difficult. The Eisenhower Parking Garage will be open for those attending ceremonies in Eisenhower Auditorium.

## The Smeal College plans program for minority students in business

The Smeal College of Business Administration has been awarded a \$25,000 Summer Undergraduate Research Initiative grant and will use the funds to create a special enrichment program for outstanding minority students with an interest in becoming college-level teachers and researchers in business.

Modeled after the Minority Summer Institute, co-sponsored by the Graduate Management Admissions Council and the American Assembly of Collegiate Schools of Business, the new program is meant to encourage interest in academic careers and make inroads on the serious imbalance in the number of minority individuals who join the faculty ranks of U.S. business schools.

Data collected in 1991 indicated that among business faculty members in the country, only 2.4 percent were African American, 1.2 percent Hispanic and 0.3 percent Native American. According to other data, only 22 African Americans earned doctoral degrees in business in the U.S. that year, less than 2 percent of the over 1,100 granted. Fifteen African Americans earned their Ph.D.s the previous year, a little over 1 percent of the total.

While the Minority Summer Institute, conducted at the University of Michigan, and a similar initiative at the University of Wisconsin have begun to address the problem, there are insufficient funds to serve all qualified candidates.

The Smeal College will help by selecting five minority undergraduates for a program in which they will take a research methods course and a

research course which will allow them to work closely with members of the college's faculty. In these courses, the students will be exposed to basic research trends in the core fields of business administration and have opportunities for hands-on project work. They will be expected to complete a research paper in one or both of these courses and will attend special seminars or other

***The new program is meant ... to make inroads on the serious imbalance in the number of minorities who join faculty ranks.***

scholarly programs where they will have the opportunity to meet business scholars or visit practicing business managers.

Overseen by Jerome D. Williams, assistant professor of marketing, plans for the program are still being finalized. Selection of the first class of students is expected to begin soon.

Support for the initiative also is being supplied by the Equal Opportunity Planning Committee at Penn State and by The Smeal College. Additional funds are being sought from the Big 10's Committee on Institutional Cooperation.



Photo: Marc Levey

**Committed to diversity ...** Robert S. Doyle, lecturer of American Studies, was one of four faculty and staff members honored by the Multicultural Resource Center April 27 for their commitment to enhancing diversity at Penn State. Others honored were Susan L. Kennedy, director of health promotion and education, University Health Services; Lawrence W. Young Jr., Paul Robeson Cultural Center director, and Daniel Grow, College of Education recruiting programs, certification and academic services coordinator. Students were also honored at the awards reception.

## "Minority Teachers for the 21st Century" is topic of July program

The College of Education will offer a program titled "Minority Teachers for the 21st Century" from July 3 to 17 on the University Park Campus. It is designed to encourage pre-college minority youth to enter the teaching profession.

This year, 20 students from grades

9, 10 and 11 will be admitted. They will be housed in University residence halls and will attend classes of their choice as well as classes designed to prepare them for college life. Social and recreational events and field trips also are planned.

There is no cost to participants

except transportation to and from University Park and incidentals. Rooms and three meals per day will be provided. Applications must be completed and returned to Penn State by May 21. Students will be notified by June 1 if they have been selected.

To obtain an application or further

information on the minority teachers summer program, write to Andrew Jackson, program coordinator, or Reggie K. Brooks, director of minority students services, College of Education, 181 Chambers Building, University Park, Pa. 16802 or phone (814) 865-0488.

### NEWS IN BRIEF

#### Tax reminder

The Office of International Students reminds international students that, even if they did not have U.S. income in 1992, they will have to file a 1992 income tax return.

The Internal Revenue Service has announced a new student tax policy requiring all individuals on F and J visas, without exception, to file a 1992 federal income tax return. All F and J visa holders must file a return (1040NR and special tax statement) even if they had no income of any kind in 1992.

Spouses also will have to complete the 1040NR and statement while children will need to complete only the statement. Please note that the IRS can assess a \$100 penalty for failure to file or late filing of a required income tax return.

At present, it appears that the full tax return and special statement will not be due until June 15. Most tax forms, including the special tax statement, are available in 222 Boucke Building on the University Park Campus.

#### Visiting scientist

Frantisek Kunc, microbiologist and head of the Section of Ecology at the Institute of Microbiology, Academy of Sciences of Czech Republic in Prague, has joined the Center for Bioremediation and Detoxification as a visiting scientist. Dr. Kunc will be working in the Laboratory of Soil Biochemistry with Jean-Marc Bollag in research on the microbial metabolism of heterocyclic pesticides.

#### Health Services hours

University Health Services has announced its hours of operation for intercession and summer session 1993. Both the General Medicine-Outpatient and Women's Health Departments will be available 8 a.m. to 5 p.m. Monday through Friday.

Emergency Medical Services will continue to operate the University Ambulance Service on a 24-hour-a-day basis throughout the summer, with no interruption in service.

#### Enhancement program

The Individual and Family Consultation Center will offer a couples enhancement program June 12-13 on the University Park Campus.

The program, "Relationship Enhancement," is designed to help couples build a more supportive and satisfying relationship by learning to deal with issues that arise from differences in values, needs, and opinion.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is \$125 for an individual and \$200 for a couple. For further information on the program, which will be offered again Aug. 7-8, call the Individual and Family Consultation Center at (814) 865-1751.

### CARPOOLERS

Wanted: Person/persons to carpool from Philipsburg to University Park during June, July, and August. Working hours are 8 a.m. to 4:30 p.m., Monday through Friday. Call Anna at 865-0469.

Duane is looking for riders in van from Houtzdale to University Park. Works 8 a.m. to 5 p.m., Monday through Friday. Call 865-4651 or 378-5391.

Philipsburg carpool is looking for 4th driver to University Park. Works 7:45 a.m. to 4:45 p.m., Monday through Friday. Call Rita at 863-0301 or Deb at 865-6546.

Woodward vanpool to University Park looking for riders. Work 7 a.m.-3:30 p.m. Call Paul at 349-8261 from 5-9 p.m.

# Photographers' symposium to be held May 25 - 27 at University Park

University Photo/Graphics is hosting the 32nd annual Technical Symposium of the University Photographers' Association of America May 25-27 at the Keller Conference Center on the University Park Campus.

UPAA, founded in 1961 at Harvard University, serves as a forum for the discussion of current issues and trends in photography. The organization has 300 members from colleges and universities throughout the United States and Canada.

Jim Lukens, assistant director of University Photo/Graphics, chaired the planning committee for the symposium and was the principal organizer.

The symposium opens Tuesday, May 25. James H. Ryan, vice president and dean for continuing and distance education, will present a welcome address at 10 a.m. that will include a discussion of the importance of the role of university photographers and the services they offer and the expanding market for photographic services within university communities.

Other Penn State participants include:

■ 8:30 a.m. Wednesday, May 25—Stephen Porter, professor of art, who will discuss some of his experiences with his father Elliot Porter, who was a well-known nature photographer. Mr. Porter died in 1990 at the age of 88. Many of his photographs were published in book form by the Sierra Club.

■ 10:30 a.m. Wednesday—David Butt, associate professor of business administration and director, Academic Communications Program in The Smeal College of Business Administration, who will speak on customer service and communications.

■ 3 p.m. Wednesday—Milton J. Bergstein, associate professor of marketing, who will talk about marketing photographic products to customers.

■ 10:30 a.m. Thursday, May 27—Sanford Thatcher, director, and Steven Kress, chief designer, Penn State Press, who will discuss photographic publishing issues and copyright laws.

Other presenters will cover topics on photographic

gadgets; wildlife and scenic photography; new developments at Nikon and Kodak; using photographs to tell stories about universities; getting photographic works published; a pictorial study of the Chesapeake Bay; United Press International's use of electronic photography, and Kodak CD and other digital imaging processes.

Between 60 and 80 participants are expected to attend the symposium, which also will include a trip to Stone Valley Recreation Area, where participants will shoot slides that will be judged in competition on May 27, and a tour of University Photo/Graphics' Mitchell Building facilities.

The symposium will close with an awards banquet. Awards will be presented for the best prints in the categories of sports, portraits/people, campus/environmental/landscape, news/features, research/scientific/nature, photo features and personal best. The President's Publication Award also will be presented.

## Partners

Continued from Page 1

Meroce will supply a low density sponge material (polyvinyl acetate, CF-50) that will serve as a matrix for tissue growth and development during the space flight experiment. The company is manufacturing and supplying a specially cut implantable sponge for the project. In return, Meroce will receive data on the product's performance in microgravity.

The growth factor experiment is a first step in exploring how microgravity can improve the understanding of the ways growth factors regulate tissue repair and regeneration. The knowledge gained in these studies may be useful in the development of new medicines for burn victims, diabetics, elderly surgical patients, bed sore sufferers or other skin injury patients for whom healing is slow and difficult. The results also may provide additional information about how the basic gene processes underlying blood vessel and soft tissue formation are turned on and off.

The experiment is being led by the CCR and the Space Dermatology Foundation (SDF), a group of dermatologists and scientists concerned with the future implications and effects of space travel and habitation on human skin.

SDF's objective for the experiment is to increase the dermatologic database and to demonstrate the value of microgravity in dermatologic studies. The results of the experiment will be shared with the medical community and the pharmaceutical and biotechnical industries through SDF. The SDF plans to develop and maintain a database of space-related dermatology and dermatologic conditions which will be the only one of its kind.

## Consumer alert from Office of Environmental Health and Safety

The Office of Environmental Health and Safety is alerting the University community to a nationwide smoke detector recall that involves 120,000 affected units.

Six brands of battery-operated smoke detectors are being recalled because they may not sound in the event of a fire. The U.S. Consumer Product Safety Commission is urging anyone who purchased a battery-operated smoke detector on or after July 10, 1992, to check the unit immediately to see if it is involved in this recall. The firms and models affected, and date codes are:

Firm	Model	Date Code
Black & Decker	SMK 100, SMK 200, SMK 300	9228 to 9246
Jameson Home Products Inc.	Model A, C, & D	92192 to 92231
Walter Kidde Portable Equip.	KSA700	92192 to 92231
Safety First	244	92192 to 92231
Funtech	Model A	92192 to 92231
Maple Chase	Model A and B	92192 to 92231

To identify an affected detector, examine the label on the back of the unit for the model and date codes listed above. If these codes match, call the following "hotlines" to obtain a free replacement smoke detector: For Black & Decker units, (800) 952-1331; for all other brands, (800) 492-4949.

The CPSC asks that all consumers with affected smoke detectors call for a replacement unit even if the smoke detector sounds when tested and appears to be working properly.

## PARTINGS

G. Charles Carey, maintenance worker general B, at Berks Campus; from Feb. 9, 1981, to April 1.

Robert M. Carles, residence hall preventive maintenance worker, in Housing and Food Services; from Oct. 3, 1972, to April 1.

Lucille Coleman, janitorial worker, in Applied Research Laboratory; from Sept. 3, 1976, to April 1.

Lois M. Confer, residence hall

worker, in Housing and Food Services; from Aug. 20, 1960, to April 6.

Mahlon A. Groff Jr., maintenance foreman, at York Campus; from Oct. 16, 1978, to April 1.

Clarence R. Hockenbrock, extension agent, in Agricultural Sciences; from Sept. 2, 1980, to April 10.

Edward J. Hull, technical assistant/supervisor, Computer Aided Design Lab in Engineering; from

Feb. 6, 1967, to April 1.

Thomas W. Hurlley, lead systems analyst, Computer and Information Systems; from April 15, 1971, to April 1.

Charles L. Kern, instructor in accounting, at Penn State Harrisburg; from Sept. 1, 1980, to Jan. 1.

Shirley M. Long, administrative assistant IV, at Hershey Medical Center; from Sept. 1, 1964, to April 1.

## PROMOTIONS

Systems-Telecommunications.

Wendell R. Bates to systems analyst in Computer and Information Systems-Telecommunications.

Jodi A. Biting to staff assistant V at Hershey Medical Center.

Alma J. Brandt to staff assistant VI at Hershey Medical Center.

Letitia L. L. Bullock to user services specialist III in Computer and Information Systems-Office of Administrative Systems.

Richard M. Bushey to junior techni-

cian-research at Hershey Medical Center.

Kristen L. Cook to senior technician-research at Hershey Medical Center.

Carole J. Coyle to supervisor, Ophthalmic Services, at Hershey Medical Center.

Mary F. Dewey to director, Planning and Marketing Services, at Hershey Medical Center.

Brian S. Dickson to systems engineer II in Computer and Information Systems-Computation Center.

Deana J. Doumen to technician-research at Hershey Medical Center.

Mary Beth Elensky to research support assistant at Hershey Medical Center.

Connie L. Fisher to business manager in Arts and Architecture.

Jan A. Frank to employment specialist/training coordinator in Student Services.

Tammy P. Gentzel to senior research technologist in Health and Human Development.

## Staff

Larry H. Acherberg to assistant to financial officer II in Earth and Mineral Sciences.

Wendy A. Aksu to lead physical therapist at Hershey Medical Center.

Robin L. Anderson to senior office information specialist in Office of Administrative Systems.

Carol J. Angebrandt to patient care assistant A at Hershey Medical Center.

John D. Balogh to systems engineer I in Computer and Information

# Bookstore committees recommend negotiations with Barnes & Noble for management services contract

Committees composed of students, faculty and administrators have unanimously recommended that the University enter into negotiations for a "management services" contract with Barnes & Noble for the operation of the Penn State Bookstore System.

"This means that we are now authorized to begin the process of negotiations with Barnes & Noble, and that's expected to take several weeks," James M. Wagner, vice president for business and operations, said.

"It doesn't mean that we've awarded the contract," he added, "but the proposal is very positive. The students, faculty and staff who reached this decision feel comfortable with Barnes & Noble, and we're hopeful that we'll reach a contract for services that will provide exciting new services for Penn State."

Current Penn State Bookstore employees have been notified of the decision to negotiate with Barnes & Noble, Mr. Wagner said. "All present full-time Penn State Bookstore staff would have the opportunity of continued employment," he added. "Part-time and student employees will be hired for available positions as

determined by Barnes & Noble staffing requirements."

Upon successful negotiation of the contract, the Bookstore Task Force will work with Barnes & Noble and University Bookstore employees to make this transition as smooth as possible.

Barnes & Noble, headquartered in New York City, is the largest bookseller in the nation. The College Bookstore Division, established in 1968, now operates 250 campus bookstores at 189 colleges and universities.

Among the campus bookstores operated by Barnes & Noble: Columbia, Johns Hopkins, Tulane, Northwestern, Michigan, Tufts, Southern Methodist, Temple, Texas A&M, West Virginia, Trinity College, University of Houston System, Wayne State, Wittenberg University, Bard College, Lewis & Clark College, Bennington College, Memphis State, and the University of Akron.

Pending successful negotiations, Penn State, with gross sales of \$25 million annually at 22 campuses, would become Barnes & Noble's largest higher education client.

"We believe that management services by Barnes & Noble has the

potential to change the face of the Penn State Bookstore System," Mr. Wagner said. "It could provide a higher level of service, a greater range and variety of inventory, and a more exciting ambience than anything our current financial structure will allow."

The decision to enter into negotiations with Barnes & Noble culminates a 10-week process in which "requests for proposal" were evaluated. The requests were sent to six firms on Feb. 16, with a March 31 deadline for response. Aside from Barnes & Noble, two firms responded to the requests: Follett College Stores Corporation, Chicago, Ill.; and Wallace Bookstore, Inc., Lexington, Ky.

Requests also were sent to Nebraska Book Co. Inc., Lincoln, Neb. (which operates the University Book Centre in downtown State College); the Student Book Store, in downtown State College, and Management Concepts, Washington, D.C.

Barnes & Noble, Wallace, and Follett were each asked to make a presentation to the Advisory Committee on the Bookstore Management Services Contract.

Committee members are: Donald

Rung, professor of mathematics, Eberly College of Science; Brian Torney, associate professor of environmental science, Altoona Campus; Al Skomra, campus executive officer, Shenango Campus; David Otto, campus executive officer, Beaver Campus; Dale Hollenbach, director of business services, Ogontz Campus; Chris Furlo, Undergraduate Student Government; Ken Martin, Graduate Student Association; and Phillip Teuffer, Council of Commonwealth Student Governments.

Also in attendance at these presentations were members of the Bookstore Transition Task Force: William McKinnon, chair, Business and Operations; Lew Mothersbaugh, Business Services; Linda Pierce, Human Resources; Dan Sieminski, financial officer; Jim Dunlop, University Purchasing; and Mike King, acting manager, University Park Bookstore.

After company presentations and a question-and-answer period, the Advisory Committee and the Task Force met to form a recommendation, which went unanimously in favor of Barnes & Noble.

## New department head sought

Applications and nominations are invited for the leadership of the new Department of Computer Science and Engineering. Candidates should hold the Ph.D. in computer science, electrical or computer engineering, or a related field, and possess a record of scholarly accomplishment appropriate for appointment at the rank of associate or full professor. Creative leadership, effective communication skills and the ability for appropriate decision-making are qualities expected of the candidate.

The newly-formed department comprises faculty from the former Department of Computer Science in the Eberly College of Science and the Computer Engineering Program in the Department of Electrical and Computer Engineering in the College of Engineering. Currently, there are 44 full- and part-time faculty members affiliated with the new department at University Park, and another 24 in the Commonwealth Educational System.

Applications and nominations will be accepted until Monday, May 31, or until a suitable candidate is identified. Nominations and applications (including a current curriculum vitae and the names of references) should be submitted to: Keith Ord, chairman, Computer Science and Engineering Implementation Team, Box C 304 Beam Hall, University Park, PA 16802.

### OBITUARIES

**Helen M. Mathes Adam**, retired secretary to the dean of admissions at Penn State Erie, the Behrend Campus; from Dec. 12, 1948, until her retirement July 1, 1974; died March 27 at the age of 84.

**Harry Lewis Jr.**, janitorial worker, Office of Physical Plant; from Jan. 13, 1964, until his retirement July 1, 1976; died Feb. 26.

**Richard Allan**, director of Facilities Planning and Maintenance Operations, Housing and Food Services; from Jan. 1, 1959, until his death April 19. He was 58.

**Mary E. Bloom**, linen room attendant, Housing and Food Services; from Sept. 11, 1953, until her retirement May 1, 1974; died April 1 at the age of 83.

**LuEmma M. Coder**, senior accounting clerk, Office of Gifts and Endowments; from Jan. 1, 1965, until her retirement July 1, 1977; died April 5. She was 81.

**Roy N. Covert**, maintenance worker, Mont Alto Campus; from Feb. 28, 1977, until his retirement Feb. 27, 1988; died April 15. He was 65.

**James O. Dutt**, retired professor of horticulture extension, died April 9 at the age of 83.

A 1939 graduate of Penn State, he received his master's degree in cooperative extension administra-

tion from the University of Wisconsin. He was a professor of horticulture extension until his retirement in 1974. He also was a member of the University Club.

**Shirley E. Foster**, food production worker, Housing and Food Services; from Feb. 28, 1972, until her retirement Aug. 29, 1988; died April 13 at the age of 69.

**Lawrence E. Horner**, warehouse worker, Purchasing Services; from May 1, 1953, until his retirement July 21, 1990; died April 25, 1993. He was 71.

**Raymond F. Muirhead**, test driver I, Research and Graduate School; from Jan. 2, 1991, until his death April 19. He was 45.

**Ann E. Penn**, secretary, Penn State Ogontz Campus; from June 15, 1970, until her retirement Jan. 1, 1985; died Jan. 23 at the age of 78.

**Jeanette J. Willower**, technical secretary, Applied Research Lab; from June 1, 1979, until her retirement June 30, 1989; died March 30. She was 65.

**Mary Louisa Willard**, professor emerita of chemistry, died April 17 at the age of 94.

Dr. Willard was an internationally recognized microscopist and forensic scientist. Her career in criminology began in 1930 when she ana-

lyzed alcohol seized in a Prohibition violation case. She went on from that first case to assist law enforcement officers across the country by applying her knowledge of science to detect and solve crimes.

She was one of the pioneers in the field of chemical criminology, a field she referred to as "criminalistics." Today, the analysis of hair and blood on suspected murder weapons seems routine, but Dr. Willard's methods, applied in the early 1950s, proved that the hair found on a railroad spike matched that of a murdered four-year-old boy, rather than that of the dog the suspect claimed to have killed.

As the daughter of Joseph M. Willard, professor of mathematics at the Pennsylvania State College, she was born on the Penn State campus in 1898 and grew up in State College.

She began her career in 1921 as an assistant in the Chemistry Department. In 1923 she became an instructor in chemistry and in 1927 she was appointed assistant professor. She became an associate professor in 1938 and a professor in 1948. Dr. Willard retired as professor emerita in 1964, but continued her work in criminology.

She received her B.S. in chemistry and M.S. in chemistry from Penn State in 1921 and 1923, respectively. She received her Ph.D. in chemistry from Cornell University in 1927.



# Local area networks help computer users communicate

Local area networks are a "hot" topic of discussion at Penn State today. The staff in Computer and Information Systems has prepared a report to provide guidance for academic and administrative departments considering the implementation of a local area network of microcomputers.

A local area network (LAN) is a group of microcomputers that are interconnected by wire, fiber or radio waves, and/or other equipment and software so that they can electronically exchange information and share computer resources within a limited geographical area. Different types of LANs support different levels of networking.

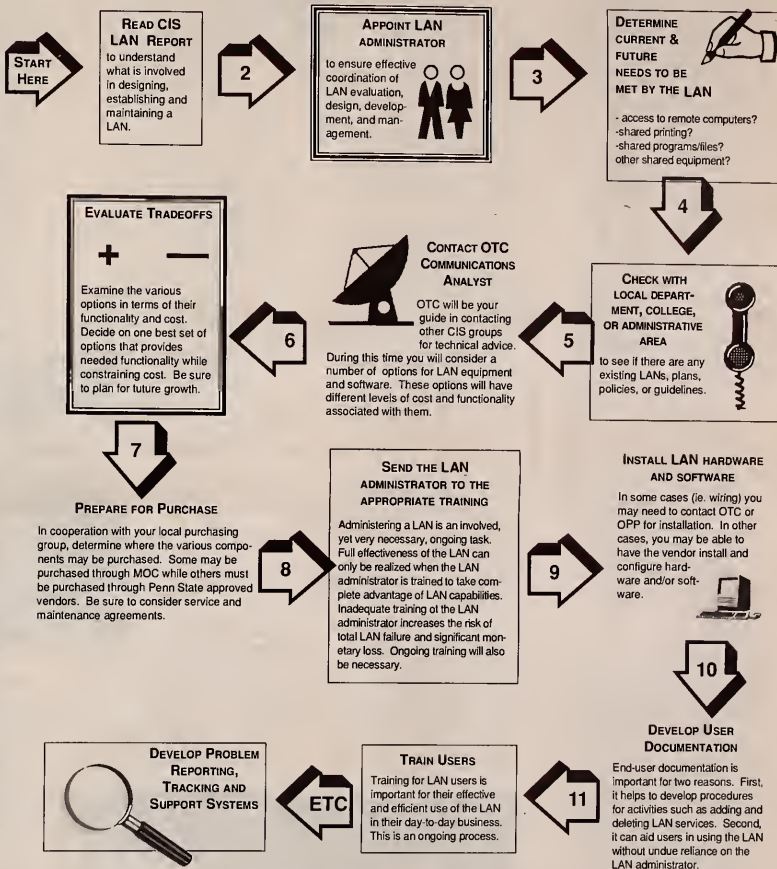
There are three general levels of networking in use at Penn State today: Basic, Peer-to-Peer, and Advanced. Each of these provides a certain level of functionality for the cost. LAN solutions should be chosen based on the level of functionality that is required by the users of the LAN and the funds available.

The C&IS LAN report includes a detailed chart of the functionality provided in each level, the benefits of each, a flowchart of steps for LAN planning and implementation, and critical issues that must be considered regardless of the solution that will be implemented. It also details more specific implementation issues regarding actual design of the LAN.

It is information that your LAN administrator/manager will need. The appendices list known solutions in use at Penn State for each level of networking. They are not intended to represent every technically possible LAN solution, but those we have experience with and we know work.

To obtain a copy of the C&IS LAN Report, contact your assigned Office of Telecommunications communications analyst or phone, [814] 865-1940. Campus locations should coordinate their LAN planning with the CES Systems Office.

## STEPS TO FOLLOW FOR LAN PLANNING AND IMPLEMENTATION



## FACULTY / STAFF ALERTS

### Health America requires no claim forms

Whether you participate in HealthPass, Plan A, Plan B, or HealthAmerica HMO, you no longer need to complete a medical claim form. Rather, it is necessary to include your name, social security number and the patient's name with your claim submission.

Any submission must include the date and description of service. Canceled checks, cash register receipts, photo copies, and receipts that don't

describe the service are not acceptable and will delay the payment process.

Mail your claims to: HealthAmerica-Penn State, P.O. Box 2996, Pittsburgh, PA 15230-2996.

**PLEASE NOTE:** Dental and vision claims are still administered by The Prudential and claim forms are required for these two programs.

### Handicapped parking spaces

The Office of Human Resources and the Office of University Safety have

announced the availability of two handicapped parking spaces at Rider Building. These spaces have been made available through the cooperative efforts of these two offices, and in compliance with the provisions of the Americans with Disabilities Act.

The spaces are in the parking lot located on the Beaver Avenue side of Rider Building. Non-handicapped parking restrictions apply.

Questions regarding usage of parking spaces, locations, and access may be

directed to Milton R. Trask, employment manager, 865-1387, or Bruce Kline, director of parking, 863-0320.

### Memorial Day Hours

The Penn State Information and Directory Assistance hours for Memorial Day, May 31, are 8:30 a.m. to 4:30 p.m. Normal hours of 7:30 a.m. to 11 p.m. will be resumed Tuesday, June 1.

### WPSU fund raiser

Public radio station WPSU-FM raised over \$31,000 from nearly 700 pledges during their two-week Spring Fund Raising Drive which concluded April 25. The amount raised exceeds the station's previous best fund raising period—last Fall—by over \$5,000. Funds raised through the on-air campaign go towards the purchase and production of programming carried by the station.

"We are very grateful for this tremendous showing from our listeners," said Station Manager David Dzikowski. "Their financial support is key to our continued success and to our future expansion plans."

In an update of those plans, he noted that the necessary applications, forms, and documentation have been with the Federal Communications Commission (FCC) to allow relocation of the current WPSU transmitting facilities to a site that will vastly improve the quality and reach of the station's signal.

Application also has been made to license a repeater station near Kane to serve a large section in the northern part of the state and for a translator station to serve the Altoona area. Matching funding to purchase the necessary equipment for the expansion is being sought from the U.S. Department of Commerce through their Public Telecommunications Facilities Program.

### Radio Book Review

At 630 tonight on Libri, The Radio Book Review, on WPSU, host Michael Svoboda and guest Henry Harpending, professor of anthropology at Penn State, will discuss *Sick Societies: Challenging the Myth of Primitive Harmony*, by Robert B. Edgerton.

At 1 p.m. Saturday, May 15, host Kathryn Smith and guest Judith Van Herk, associate professor of religious studies and women's studies at Penn State, will discuss *Im Dysfunctional, You're Dysfunctional* by Wendy Kaminer, and *We've Had 100 Years of Psychoanalysis* by J. Hillman/M. Ventura.

### 'Cat on a Hot Tin Roof'

Retired University employee Gil Aberg will play Big Daddy in a dinner-theatre production of Tennessee Williams' *Cat on a Hot Tin Roof* May 21, 22, 28 and 29 at the Eutaw House in Potters Mills. It is being offered by Lark and Willow Productions, a year-old group operating in the Centre Region. Reservations, which are required, may be made by calling the Eutaw House at 364-1039.

### Centre Stage

The children's play "Androcles and the Lion" will open the 1993 Pennsylvania Centre Stage season with shows at 7 p.m. May 21 and 28; 10 a.m., 1 p.m. and 4 p.m. May 22 and 29; and 1 p.m. and 4 p.m. May 23 at the Pavilion Theatre on the University Park Campus.

Written by Auran Harris, who authored last year's popular "Yankee Doodle," the play is based on an ancient fable in which a slave named Androcles removes a thorn from a lion's paw. Later, he finds himself in the pit with the same lion.

A tale of friendship, kindness and good deeds rewarded, the play is an ideal way to introduce children to the world of live performance.

Tickets for "Androcles and the Lion" will go on sale May 3. Prices are \$5 for adults and \$3 for children. For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m. at (814) 863-0255.

### Odyssey on WPSU

"Literature of the Americas," a 12-part radio series on the literatures of South, Central, and North America, will be broadcast this summer on "Odyssey Through Literature," aired on WPSU 91.1 FM. The series complements the Comparative Literature Department's summer institute on "Identity in Inter-American Literature," which runs from June 23-August 4.

With topics that range from the folk-songs of the Andes to the Caribbean novel, to the work of the avant-garde American John Barth, this summer series presents repeat broadcasts from "Odyssey Through Literature's" 12-year archive.

Earl Fitz, director of the summer institute and professor of comparative literature, introduces the topic on the May 26 radio program, "Borges and Barth."



"Differences in languages, customs, manners, and ethnic and cultural origins," he said, "obscure the fact that all the literatures of the Americas spring from the same experience: The attempt of old and settled cultures to adapt to new, sometimes virginal, sometimes alien conditions. The result is that the old cultures become a new civilization."

With host Leonard Rubinstein, Dr. Fitz compares the work of Jorge Luis Borges of Argentina with that of John Barth. Recorded in 1981, this program is one of the earliest in the "Odyssey Through Literature" archive.

"Odyssey Through Literature" is produced by the Department of Comparative Literature in the audio-production studios of WPSU-TV. It airs Wednesdays at 12:30 p.m.

The following is a listing of the summer "Literature of the Americas" series:

- **May 26 - "Borges and Barth."** Rubinstein and Earl Fitz (Spanish, Italian, and Portuguese) compare and contrast two modern New World writers, John Barth and Jorge Luis Borges. (1981)
- **June 2 - "Borges and I."** Argentine poet, novelist, and essayist Jorge Luis Borges spends a half-hour with Rubinstein (1983)
- **June 9 - "The Story of the Teller of the Stories."** Novelist John Barth reads from his latest work, *The Last Voyage of Somebody the Sailor*, and explores his own "Scheherazadian" condition. (1991)
- **June 16 - "Men of the Drum."** Cornel Pevevvardy, a Kiowa-Comanche, introduces us to American Indian culture through music. (1988)
- **June 23 - "Waynos of Cuzco, Songs of the Incas."** Anthropologist Gabriel Escobar and librarian Gloria Escobar introduce Rubinstein to the folk songs of the Quechua-speaking Indians of the Andes. (1985)
- **June 30 - "They Just Don't See Me."** Rubinstein and Bhoendraadat Tewarie (grad, Comp Lit) discuss the literature of

Trinidad and the Caribbean, featuring the works of Earl Lovelace and V.S. Naipaul. (1982)

● **July 7 - "The Dragon Can't Dance."** Angelita Reyes (Comp Lit) discusses the 20th-century writer Earl Lovelace and the literature of Trinidad with Rubinstein. (1985)

● **July 14 - "Naipaul's Enigma."** Rosanne Brunton, a comparative literature doctoral student, explains a Trinidadian's response to the work of her country's most famous writer, V.S. Naipaul. (1988)

● **July 21 - "The Breaking of Waters."** Earl Fitz discusses his translation of the novel *Agua Viva* by the Brazilian writer Clance Lispector. (1987)

● **July 28 - "Explosion in the Cathedral."** Lois Zamora of the University of Houston uses Alejo Carpentier's novel and Monsu Desiderio's painting to show how an artist can "shift the burden backward and influence his precursors." (1990)

● **Aug. 4 - "Dom Casurnro's Interpretation."** Earl Fitz discusses Machado de Assis' *Dom Casurnro*. (1989)

● **Aug. 11 - "A World Elsewhere."** A German scholar's view of American literature, during which Peter

Nicolesen (visiting professor of English) tells Rubinstein about the works of the American Peter Taylor. (1984)



Odyssey Through Literature

### Performing arts season

The Center for the Performing Arts has announced its 1993-94 season. Thirty performances are scheduled from September to April, complemented by a program of workshops, films, demonstrations and Artistic Viewpoints discussions designed to enrich audience appreciation. The Center will offer seven subscription series ticket packages as well as single-event tickets.

Highlights of the 1993-94 season include:

Two season-opening performances of "Oklahoma!" This American musical theatre classic will be performed on Saturday and Sunday, Sept. 18 and 19, in Eisenhower Auditorium.

Lauded as the "consummate master of the violin," Itzhak Perlman will perform at Eisenhower Auditorium on Saturday, Oct. 23.

The Lincoln Center Jazz Orchestra will play on Saturday, Jan. 22, in Eisenhower Auditorium.

Les Ballets Africains, from Guinea, one of Africa's finest dance companies, will perform in Eisenhower Auditorium on Friday, Oct. 8.

"City of Angels," the Broadway send-up of behind-the-scenes Hollywood, will be performed on Friday, Nov. 19, in Eisenhower Auditorium.

Considered by many to be Neil Simon's lost work, "Lust in Yonkers" concerns two adolescent brothers left by their father with their emotionally distraught and tyrannical grandmother. It will be performed Tuesday, Sept. 28, in Eisenhower Auditorium.



The Penn State International Dancers perform a Slovenian "bottle dance," one of the numbers they will dance in July during their trip to Slovakia.

# Park Calendar

## May 13 — May 30

### SPECIAL EVENTS

**Thursday, May 13**  
Sigma Xi Lecture, 4 p.m., Watson Museum of Anthropology, Carpenter Bldg. Fred Matson to speak.

**May 15-16**  
Spring Commencement

**Saturday, May 15**  
Shaver's Creek, 9 a.m. African Mask Animation.

**Sunday, May 16**  
Shaver's Creek, 2 p.m. Water Watch.

**Wednesday, May 19**  
PSEOP, 5:30 p.m., Nittany Lion Inn Board Room, 10th Anniversary.

**Friday, May 21**  
WP5X-TV, 9 p.m. "Elder Abuse: Whose Problem?", 30-minute documentary followed by a one-hour call-in session.

**Saturday, May 22**  
Shaver's Creek, 12:30 p.m. Native American Series: Rabbit Stick.

**Tuesday, May 25**  
Professional Women at Penn State, 11:45 a.m., Eisenhower Chapel, Fizzell Room. Brown-bag lunch.

**Wednesday, May 26**  
Storytelling, 10 a.m., Penn State Bookstore. Sherm McKenzie, featured storyteller.

**Friday, May 28**  
Stone Valley Recreation Area and The Nittany Kickers, 7-11 p.m., Civil Engineering Lodge. Music by The Rock Rangers. Tickets sold in advance only. Call 863-0762.

**Sunday, May 30**  
Shaver's Creek, 5 p.m. Hummingbirds: The One-Tenth Ounce Wonder.

### PUBLIC RADIO

WP5U-FM 91.1  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.;  
Morning Edition, Monday-Friday, 6-8 a.m.;  
Weekend Edition, Saturday and Sunday, 11

a.m.-1 p.m.  
"Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scope: Women in Novels in the Sciences at Penn State," 12:30 p.m. Thursday.

### CONFERENCES

**Thursday, May 13**  
PA State History Day, 700 attendees, Pollock Commons. D. Munger, chair; E. Loop, coordinator.

Rural Development Partners Conference, 35 attendees, Altheron Hilton. D. Hesley, chair; G. Peterson, coordinator.

Overview of Coal Mining, 12 attendees, Days Inn. R. Franz, chair; R. Maclean, coordinator.

Mammalian Cell Culture, 15 attendees, Days Inn, through May 14. K. Rasnid, chair; J. Milson, coordinator.

POLEX-UP, 25 attendees, Best Western, Nittany Lion Inn, through May 14. J. Homer, chair; E. Loop, coordinator.

Simulation of Flow and Transport in Subsurface, 20 attendees, Nittany Lion Inn, through May 14. G. Yeh, chair; B. Impellitteri, coordinator.

Chocolate Manufacture Short Course, 25 attendees, through May 19. P. Dimick, chair; G. Peterson, coordinator.

**Sunday, May 16**  
Pennsylvania Junior Academy of Science, 2,600 attendees, Pollock Commons, through May 18. H. McCoolium, chair; J. Sinclair, coordinator.

Managing the Global Enterprise Program, 35 attendees, Nittany Lion Inn, through May 28. J. Mencher, chair.

**Monday, May 17**  
24 Challenge, 150 attendees, J. Kiopecki, chair; R. Maclean, coordinator.

47th Annual Tax Conferences, 250 attendees, Nittany Lion Inn, Hampton Inn, Altheron Hilton, through May 19. S. Mazza, chair; B. Impellitteri, coordinator.

Underwater Inspection of Bridges Short Course I, 20 attendees, Nittany Lion Inn, through May 21. D. McClure, chair; B. Stemer, coordinator.

POST, 25 attendees, Nittany Lion Inn, through May 21. E. Donovan, chair; E. Loop, coordinator.

Advanced POLEX, 28 attendees, Nittany Lion Inn, Best Western, through May 28. J. Homer, chair; E. Loop, coordinator.

**Wednesday, May 19**  
Maintenance Office Personnel, 125 attendees, Nittany Lion Inn, through May 23. M. Steele, chair; W. Stemer, coordinator.

Building Solidarity, 25 attendees, Nittany Lion Inn, through May 22. G. Gall, chair; C. Herd, coordinator.

**Thursday, May 20**  
Coordinating Council Annual Conference, 60 attendees, Nittany Lion Inn. S. Tyworth, chair; J. Milson, coordinator.

Eighth Annual Penn State Symposium in Plant Physiology, 100 attendees, Days Inn, through May 22. J. Shannon, chair; M. Johnston, coordinator.

Adult Education Research Conference, 200 attendees, Nittany Lion Inn, Days Inn, Nittany Suites, Simmons Hall, through May 23. J. Ross-Gordon, chair; R. Maclean, coordinator.

**Friday, May 21**  
Pennsylvania Junior Classical League, 650 attendees, West Halls, through May 23. V. Bronson, chair; J. Milson, coordinator.

**Saturday, May 22**  
Fifth Workshop on Recent Developments in Electronic Structure Algorithms, 150 attendees, Pollock Halls, through May 24. J. Annett, chair; C. Herd, coordinator.

**Sunday, May 23**  
Occupational Safety and Health Institute, 95 attendees, Days Inn, through May 28. D. Herd, chair; C. Herd, coordinator.

**Monday, May 24**  
Cooperative Cell Research, 40 attendees, Nittany Lion Inn, through May 25. A. Davs,

chair; J. Sinclair, coordinator.

University Photographers Association, 60 attendees, Nittany Lion Inn, through May 27. J. Lukens, chair; W. Stemer, coordinator.

**Wednesday, May 26**  
Leadership Training Program, 85 attendees, Nittany Lion Inn, through May 27. B. Harman, chair; C. Andersen, coordinator.

**Friday, May 28**  
East Coast Volleyball 1993, 2,100 attendees, through May 31. E. Perry, chair; R. Maclean, coordinator.

**Seminars**

**Friday, April 30**  
Biotechnology Institute, 4 p.m., 108 Wank Lab. Joseph R. Ecker on "Genetic and Molecular Interactions Controlling Ethylene Signal Transduction in Arabidopsis."

### EXHIBITS

**Kern Galleries:**  
Exhibit of quilts by Leah H. Witzig, through May 18.

**HUB**  
Art Alley Cases:  
Central Pennsylvania Guild of American Craft celebrating "The Year of the American Craft." Multi media show of crafts, pottery, jewelry, woodcarving, stained glass paintings, quilting, weaving and handmade paper, through May 23.

**Pattee Library**  
Lending Services Gallery:  
Exhibition of oil and watercolor paintings by Vincent Carducci, through May 15.

**West Lobby:**  
Exhibition of photographs by John Roderhausen documenting experiences in southeast Alaska, through May 18.

**East Corridor Gallery:**  
Exhibition of theatre designs by Amy Higgins, through May 17.

**Rare Books Room:**  
"Figures of the Body, 1300-1660," through June 1.

## Arts

### Continued from Page 6

The New York City Opera National Company returns to Penn State for the seventh consecutive year with two performances of Puccini's "Madama Butterfly" on Friday and Saturday, Feb. 18 and 19, in Eisenhower Auditorium.

The hierarchy of the members of Canadian Brass as a comedy troupe is only matched by their musical virtuosity as a world-class ensemble. Canadian Brass performs Saturday, Oct. 2, in Eisenhower Auditorium.

Chamber music aficionados will relish the "Intimate Excursions" series, which will offer the complete Beethoven quartet cycle. The Muir String Quartet will open the series on Friday and Saturday, Oct. 29 and 30. The cycle continues with the Cleveland Quartet concerts on Friday and Saturday, Jan. 28 and 29. The Bartok Quartet concludes the cycle on Friday and Saturday, Feb. 25 and 26. All chamber concerts are in Schwab Auditorium.

The Center has commissioned an improvisational piece by two masters in their respective fields: jazz pianist Billy Taylor and choreographer David Parsons. The work will be performed

on Thursday, April 7, in Eisenhower Auditorium.

Performance artist Tim Miller will explore challenge through artistic expression in a residency from Oct. 8 through 10. In his latest work, "My Queer Body," Mr. Miller examines humanity openly and honestly through the eyes of a gay man.

Lesbian performance artist Holly Hughes will participate in a residency Jan. 31 through Feb. 2.

The Center for the Performing Arts 1993-94 season runs September 1993 through April 1994. For a season brochure and ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

### Summer Arts Program

The Hetzel Union Center for Arts and Crafts, Room 312 HUB on the University Park Campus, has announced its Summer Arts Program.

"Kid's Summer Arts Day" includes full-day, half-day (a.m. or p.m.) and "Young Artists' Camp" in the afternoon for older youth who want a more serious art environment.

On June 23, 24, 25, the "Mini-Arts Program" allows a child to sign up by the day for arts activities.

A "Late Afternoon Arts Program" (4:30-6 p.m.) for children (ages 3 and up) offers classes with a variety of media to a variety of age groups—from breakfast cereal art to tap dancing.

In the evenings there are Adult Classes. Pottery and stained glass are the most popular classes.

Also, in conjunction with the Central Pennsylvania Festival of the Arts, the center is looking for 20 children (age of 10 and older) to work with artist Maria Ciochiarelli from New York City. They will conceive, design and paint a new mural on the Allen Street fence in time for the '93 Festival. They should be able to commit to the five full days of work—June 23-27 from 9 a.m. to 4 p.m. There is a fee of \$20 per day to help defray costs.

Enrollments are limited to eight to ten per class so register as soon as possible. A brochure is available on the first floor of the HUB or in Room 312. You may request one and get answers to your questions by calling 863-0611.

### International Dancers off to Slovakia

The Penn State International Dancers,

under the direction of Elizabeth Hanley, will travel to Slovakia in July to participate in Week of Slovak Culture in Foreign Countries, organized by the Institute for Slovaks Abroad of Matica Slovenska. The Penn State International Dancers have been invited to perform their Slovak suite during this week-long celebration and at the Folklore Festival in Detva. The Matica Slovenska, national cultural institute of Slovakia, will host the International Dancers from July 3-12.

Ms. Hanley first visited Slovakia with her husband in 1987, for a two-week dance choreographers seminar as guests of Matica Slovenska. A second invitation was received in 1989 and also included three members of Ms. Hanley's company. The 1989 two-week dance choreographers seminar paved the way for the present 1993 invitation to perform at the prestigious Detva Festival.

Ms. Hanley is an assistant professor of exercise and sport science in the College of Health and Human Development. The Penn State International Dancers recently celebrated their 15th anniversary.

## Associate professor honored for work on teleconference

Cheryl Achterberg, associate professor of nutrition and director of the Nutrition Center in the College of Health and Human Development, has been chosen to receive a Creative Programming Award from the National University Continuing Education Association.

She was chosen for her work in developing "Bridge to Excellence," a satellite teleconference held in June 1992. The teleconference provided nutrition education for community health practitioners, including Cooperative Extension staff, public health nurses, and staff members in the Women, Infants, and Children program.

Dr. Achterberg developed the teleconference in collaboration with Frank Wilson, head of instructional design and production for Educational Communications/WPSK-TV, and Judith Treu, instructor in nutrition and manager of the project.

Dr. Achterberg also has received the 1993 Mead Johnson Award for Research in Nutrition. The \$1,500 award is given to an investigator under age 40 who has performed outstanding nutrition research.

She was recognized for her research in nutrition education and intervention. Her work focuses on the role that information processing and psychology play in people's knowledge of, and decisions about, nutrition. She also tests the effectiveness of various strategies for improving food choices among school children, teenagers, the elderly, inner-city minorities, and people with low literacy.

## Five employees in College of Engineering recognized for service

Five College of Engineering faculty and staff have been recognized for outstanding service as faculty, staff or friends of an engineering department.

The awards, given by the Penn State Engineering Society (PSES) and the College of Engineering, recognize individual engineering faculty and staff members who offer service to the college beyond their job descriptions or who donate time and expertise to an engineering department.

John Nesbitt, professor emeritus of civil and environmental engineering, and David L. Raphael, professor emeritus of industrial and management systems engineering, received the College of Engineering 1993 Distinguished Service Award.

Paul Cohen, professor of industrial and management systems engineering, and Louis F. Geschwindner, professor of architectural engineering, received the Faculty Service Awards.

Sarah M. Bawel, head secretary for the Department of Industrial and Management Systems Engineering, received the Support Staff Award.

## Scientist receives national faculty award

Karl T. Mueller, assistant professor of chemistry in the Eberly College of Science, is one of 14 chemical scientists nationwide to receive a 1992 Camille and Henry Dreyfus New Faculty Award.

The award, established by the Camille and Henry Dreyfus Foundation in 1979, carries a \$25,000 unrestricted grant designed to provide external funding for new faculty members at the start of their research and teaching careers. Award selections are based on candidates' potential for outstanding scientific accomplishments and promise of continued excellence in undergraduate instruction.

Dr. Mueller, who joined the University faculty in January of this year, will use his award to study solid-state materials using nuclear magnetic resonance (NMR) spectroscopy.

"NMR is a safe and nondestructive tool for studying the microscopic surroundings of atoms and how they are connected in solids," he says. "I am especially interested in extending our understanding of a variety of technologically important solids—such as zeolites, ceramics, and glass—through the development of new, experimental NMR techniques."

In addition to winning the Analytical Chemistry Award of the American Chemical Society in 1984, Dr. Mueller has been honored with a Churchill Scholarship of

the Winston Churchill Foundation of the United States, 1985; a National Science Foundation Graduate Fellowship, 1987-1990; a NSERC of Canada International Postdoctoral Fellowship, 1991; and an NSF-NATO Postdoctoral Fellowship in Science and Engineering, 1991.

A 1985 graduate of the University of Rochester with a bachelor's degree in chemistry, he conducted postgraduate studies at Cambridge University from 1985-1986 before earning a doctoral degree at the University of California, Berkeley, in 1991. From July 1991 to January 1993, he was a Postdoctoral Research Fellow at the University of British Columbia.

Dr. Mueller is a member of the American Chemical Society, the American Physical Society, and the International Society of Magnetic Resonance.



Karl T. Mueller

## Department head granted honorary doctorate

Peter Magyar, professor and head of the Department of Architecture, will be granted the title Honorary Doctor of the Technical University of Budapest, Hungary, in a May ceremony to take place in Budapest.

A 1967 alumnus of the 200-year-old Technical University of Budapest, Professor Magyar will be the first architect to receive this distinction for his decades-long efforts investigating the role of topology in the visual thought process and application of the results to design, teaching and research in architecture.

As part of his Budapest itinerary, he will present a lecture at the Technical University of Budapest and exhibit a one-man show of his work centering on the theme "Touching Infinity." The exhibit, an exploration of the cosmic scale of architecture, will run from May 12

through June in Budapest and then travel to the Aedes Gallery in Berlin, Germany.

Professor Magyar assumed his post as head of the Department of Architecture in 1989. Author of several monographs and articles and designer of large complexes in Europe, Africa and the United States, he won excellence of design awards from various chapters of the American Institute of Architects.

He has taught at universities in Budapest, Nigeria, Denmark and the United States. While a professor at Auburn University, he was named Burlington Scholar for excellence in teaching and scholarship. His work has been exhibited in the Museum of Modern Art in Paris and at the 1985 and 1991 Venice Biennale.

## Worthington Scranton Campus Assistant professor of philosophy nets National Endowment for the Humanities grant

Todd Adams, assistant professor of philosophy at the Penn State Worthington Scranton Campus, has received a National Endowment for the Humanities (NEH) Study Grant for College and University Teachers.

Designed for educators with heavy teaching loads, the grant provides for six weeks of full-time study on a particular research project. Dr. Adams will explore the thought of philosopher and educator James McCosh. A former president of the College of New Jersey (Princeton), McCosh was one of the last important figures in the commonsense realism tradition, which prevailed in America between 1800-1860.

Dr. Adams received his bachelor of arts degree in history from Roberts Wesleyan College in Rochester, N.Y. He earned his master's and doctoral degrees in philosophy from the University of Kentucky.

Prior to joining the Worthington Scranton Campus staff in 1989, he taught at the University of Kentucky, Transylvania University in Lexington, Ky., and Georgetown College in Georgetown, Ky.



Todd Adams

PRIVATE GIVING

## Dollars added to academic fund

A University alumnus and his wife have added \$38,000 to an academic enrichment fund that they previously established in the College of Agricultural Sciences.

The Gerald and Leoda Gummo Excellence Fund in Agriculture, named in recognition of the benefactors, will provide support for such purposes as scholarships, faculty and graduate student research, equipment purchases and scholarly travel. The Gummos created the fund in 1986.

Gerald Gummo graduated from Penn State with an associate degree in agriculture in 1932 and is a retired businessman and farmer. The Gummos reside in Mill Hall.

Expenditures from the Gummo Fund will be determined by the dean of the college. Scholarship recipients, who may be either undergraduate or graduate students, must have financial need and superior academic records.

## Scholarship fund set up to honor former CEO

The Penn State DuBois Campus has established a scholarship fund to honor former Campus Executive Officer Donald T. Hartman, who passed away April 12. Dr. Hartman had been CEO at the campus since October 1990.

Anyone interested in contributing to the Hartman Memorial Scholarship Fund should make the gift payable to "Penn State DuBois" and forward it to the Hartman Scholarship Fund, Penn State DuBois, College Place, DuBois, PA 15801-3199.

For further information about the fund, contact University Relations at Penn State DuBois by calling (814) 375-4775.

## Campaign for the Library total surpasses \$5.7 million with \$50,000 Mellon Bank pledge

Mellon Bank Corp. has committed \$50,000 to The Campaign for the Library, Penn State's effort to raise \$10 million in private funds for an addition to Pattee Library.

The gift was announced by Frank V. Cahout, chairman and chief executive officer of the Pittsburgh-based bank.

Including Mellon's gift, the University has received more than \$5.7 million in gifts and pledges toward its goal. Private funds will be combined with a \$14.8 million state appropriation for the project.

"This important gift boosts the momentum of our campaign, and we deeply appreciate Mellon Bank's generosity," said Head Football Coach Joe Paterno, who serves as volunteer chair of the fund-raising effort.

The multistory addition adjoining the east wing will house several new or expanded "libraries within the library," such as an education library, a life sciences library, a humanities library and a business library.

A new Library for Special Collections will provide special security and environmental controls for such materials as rare books, ancient manuscripts and important archives. It also will contain seminar rooms and a lecture hall for public gatherings. Also included are a new public entrance and greatly expanded computer and telecommunications technologies.

The planned improvements not only will increase the library's capacity to store materials but also will enable patrons to access this

information more quickly. About 1.5 million patrons use Pattee Library each year.

Construction is being directed by the Pennsylvania Department of General Services, which recently chose the Pittsburgh firm of Celli-Flynn as project architects.

"We believe upgrading the library will benefit not only the University community but the residents of the surrounding area as well, so we are pleased to support this effort," said Ralph J. Papa, president and CEO of State College-based Mellon Bank-Central Region. Mr. Papa, who was instrumental in securing the gift, is a 1969 graduate of Penn State and is in charge of Mellon's 32 branch offices in Centre County and six other central Pennsylvania counties.

## Fayette Campus receives \$100,000 toward scholarship

Trustees of the Eberly Family Charitable Trust have presented the Penn State Fayette Campus with a check for \$100,000 as a payment towards the \$1,000,000 Eberly Family Trust Scholarship Fund.

"This gift to the Eberly Family Trust Scholarship will enable the Fayette Campus to provide access to higher education for more students," August H. Simonsen, campus executive officer, said.

"These additional scholarship resources are welcome at a time when the enrollment at the Fayette

*"These additional scholarship resources are welcome at a time when the enrollment at the Fayette Campus is the highest in 20 years, while at the same time, we are experiencing a shortage of funds."*

August H. Simonsen  
Fayette CEO

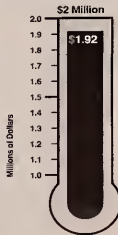
Campus is the highest in 20 years while, at the same time, we are experiencing a shortage of funds. Numerous students throughout the area have furthered their education by receiving scholarship funds from the Eberly Family Trust Scholarship Fund.

"If it were not for scholarships such as that endowed by the Eberly Family Charitable Trust, many of these students would have found it very difficult to pursue a college education."

### CAMPAIGN UPDATE

**THE MILLION DOLLAR FACULTY-STAFF Challenge**

Since July 1992, faculty and staff have committed \$1.92 million in gifts and pledges to various programs University-wide. If at least \$2 million is committed to any program by June 30, alumni Bill and Joan Schreyer will donate \$1 million to the Campaign for the Library.



### PROMOTIONS

#### Staff

Robin C. Miller to cost and space assistant in Corporate Controller's Office.  
Dinnah Mitro to lead physical therapist at Hershey Medical Center.  
Patricia C. Nye to research support technician III in Student Services.  
Leonard E. Pollack to manager, Human Resources Development, Office of Human Resources.  
Virginia A. Reeser to transplantation coordinator at Hershey Medical Center.  
Geraldine E. Risley to respiratory therapist at Hershey Medical Center.  
Thomas D. Salada to research support associate in Eberly College of Science.  
Larry J. Schaaf to research support technologist III in College of Engineering.  
Margaret A. Sebastianelli to advising program coordinator in Undergraduate Programs.  
Elizabeth M. Smith to senior technical specialist at Hershey Medical Center.

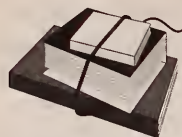
Janet L. Smith to staff assistant V in Undergraduate Programs.

Helen M. Traglia to research support assistant at Hershey Medical Center.  
Shirley M. Trice to staff assistant V at Shenango Campus.  
Andrea K. Ulshafer to transplantation coordinator at Hershey Medical Center.

#### Technical Service

Linda A. Etter to utility worker at Nittany Lion Inn.  
Steven B. Evans to maintenance mechanic A at Hershey Medical Center.  
Robert L. Harvey to maintenance mechanic A at Schuylkill Campus.  
Scott A. Lucas to golf course assistant in Auxiliary Recreation Services.  
Andrew J. Pollock to mechanic, Power Plant, in Office of Physical Plant.  
Stephen C. Purnell to dining hall worker A in Housing and Food Services.

# BOOK



# SHELF

Ram B. Bhagat, associate professor of engineering science and mechanics at the Applied Research Laboratory, is the editor of *Damping of Multiphase Inorganic Materials*, published by ASM International of Materials Park, Ohio.

The book contains 22 select peer-reviewed papers presented at the International Conference on Damping of Multiphase Inorganic Materials, held in Chicago during the combined ASM International Materials Week and TMS Fall Meeting, in November 1992. The conference was cosponsored by the Joint Composites Committee and the Physical Metallurgy Committee.

The conference explored current understanding among materials, structures, and mechanics researchers of the mechanisms and mechanics of damping in multiphase high-strength materials. They focused on development of highly damped, high-strength components through materials damping, more reliable measurement techniques, correlation with microstructural characteristics, and innovative processing of multiphase materials.

The papers are grouped according to five key areas: the fundamentals of damping mechanisms; measurement, characterization, and analysis; mechanics and modeling; metal and ceramic matrix composites, and fibers, thin films, and layered materials.

*Economic Growth and Change in Bourbon Mexico* by Richard L. Garner, associate professor of history, with Spiro E. Stefanou, associate professor of agricultural economics, has been published by the University of Florida Press.

The book is an analysis of the performance of the eighteenth-century Mexican economy, along with its patterns and rates of growth and their effect on the structure of the economy.

## PENN STATERS

Katherine Fennelly, professor and head of agricultural and extension education, has been named to the advisory board of the American Home Economics Association's Project Taking Charge. The project focuses on parenting and sex-education curriculum development for Latin-American youth.

Lamartine Hood, dean of the College of Agricultural Sciences, has been elected to the board of directors of the National Agricultural Satellite Network (ACSAT) consortium, which is comprised of 42 land-grant institutions in 40 states.

Nancy Kadwill, 4-H youth and agriculture agent in Montgomery County, has been elected northeast director of the National Association of Extension 4-H Agents.

Sridhar Komarneni, professor of clay mineralogy, has been named a fellow of the American Ceramic Society.

Laura B. Raiman, assistant professor of industrial and management systems engineering, has been appointed to the 1993 Board of Examiners of the Malcolm Baldrige National Quality Award.

Robert Ricketts, instructor in exercise and sport science, has received the Outstanding Professional Award of the Eastern District Association of the American Alliance for Health, Physical Education, Recreation, and Dance.

Gary L. Mullen, professor of mathematics, is coauthor of *Dickson Polynomials*, a research monograph published in the Pitman Monographs and Surveys in Pure and Applied Mathematics Series.

Dr. Mullen's coauthors include R. Lidl, dean of science and technology at the University of Tasmania, Australia, and G. Turnwald, professor of mathematics at the University of Tübingen, Germany.

The book provides a comprehensive survey of all algebraic properties of Dickson polynomials, a class of polynomials with many algebraic and number theory properties.

Dickson polynomials are of fundamental importance in many mathematical applications, including in cryptography for the secure transmission of information, in the study of polynomials that permute or rearrange the elements of a set, and in providing tests to help determine whether a given number is a prime number. They were first studied by L. E. Dickson in 1896 and were named in his honor in 1923.

The monograph provides a comprehensive survey of all algebraic properties and applications that have been developed during the last century, and serves as a reference for researchers and graduate students in algebra, number theory, and applications.

Steven H. Zarit, professor of human development, and K. Warner Schaie, Evan Pugh Professor of human development and psychology and director of the Gerontology Unit, are co-editors of *Caregiving Systems: Formal and Informal Helpers*.

The book focuses on the stresses involved in caring for an older adult who has a physical or mental disability. It deals especially with the links between the help that comes from family members and the help that comes from formal social and health programs. The book grew out of the fifth Social Structure and Aging conference, sponsored by the Penn State Gerontology Center and held at University Park.

Among those who contributed chapters were Dr. Zarit and four other College of Health and Human Development faculty members: Diane Brannon, associate professor of health policy and administration; Linda Burton, associate professor of human development; Michael Smyer, professor of human development, and Lucy Yu, professor of health policy and administration.

A third co-editor of the book is Leonard Pearlman of the University of California-San Francisco. The publisher is Lawrence Erlbaum Associates.

Rustum Roy, Evan Pugh Professor of the solid state, professor of geochemistry, and professor of science, technology and society, has received Distinguished Life Membership from the American Ceramic Society in recognition of his "dedication and service in ceramic science and materials policy as an educator, researcher, author, and humanitarian." He also received the American Chemical Society's Chemistry of Materials Award for "fundamental contributions to the synthesis of ceramic materials, including garnets, zero expansion phases, radioactive waste hosts, nano-composites, diamond films and new ceramic processes, for example, sol-gel, hydrothermal and glass ceramics."

Athletic Director James I. Tarmar has received a "Lifetime Achievement Award" from the Fiesta Bowl for "lifetime achievement and dedicated service to college athletics, the student-athlete concept, the Phoenix-Tempe-Scottsdale area and for Penn State's role in the growth of the 'Fiesta Bowl.' The award is a replica of the Fiesta Bowl winning team trophy and is only the second ever presented to an individual.

Martin W. Trethewey, associate professor of mechanical engineering, was one of twelve American delegates who traveled to Korea to participate in the Korea-US Vibration Engineering Seminar in March. The week-long visit was sponsored by the National Science Foundation and KOSEF (the Korean equivalent).

# CQI

Continuous  
Quality  
Improvement

A bi-weekly column to keep the University community updated on CQI activities.

## ■ CQI ADVISING TEAMS

Pamela Evock, a member of the Department of Health Policy and Administration CQI Undergraduate Advising Team, suggests that members from other advising teams might benefit from meeting informally for brown bag lunches. Currently, there are CQI advising teams in The Smeal College of Business Administration, the College of Education, and the College of Health and Human Development. Ms. Evock asks those interested to call her at 865-2156.

## ■ CQI IN THE CLASSROOM

Faculty members interested in discussing how CQI can be applied in the teaching-learning process should contact Louise Sandmeyer at 863-8721. Several faculty members have expressed an interest in meeting with others who are using CQI in the classroom.

## ■ ZETHAM! VIDEO TAPE AND BOOK

A video tape of Valarie Zeithaml's April 14 presentation at Penn State, "Quality Service in Higher Education," and her best selling business book, *Delivering Quality Service: Balancing Customer Perceptions and Expectations*, can be borrowed from the CQI Center, 863-8721.

## ■ NEW CQI TEAMS

A new CQI team of members from college financial offices in Business, Education, Liberal Arts, and Arts and Architecture has formed to look at the processing of financial office documents. The primary sponsors are Peter Bennett, associate dean and professor of marketing, Smeal College, and Donn Frazier, deputy controller. The team leader is Ginger Bron, Smeal College financial officer, and the team facilitator is Deborah Hamilton, conflict management specialist.

William Devlin, director of human resource services in the College of Agricultural Sciences, and Gary Petersen, professor in the College of Agricultural Sciences, have appointed two teams in the college: 1) "Processing Financial Aid for Turf Management Students," with Mary Johnston, conference assistant, as team leader and Lynn Branch Brown, acquisitions librarian in University Libraries, as facilitator; and 2) "Conference Coordination in the College of Agricultural Sciences," with Mary McMullin Lambert, lead staff assistant, as team leader and Jackie Esposito, assistant university archivist, as team facilitator.

## ■ HUMAN RESOURCE DEVELOPMENT CENTER SUMMER CQI COURSES

Three CQI courses offered by the HRDC will be taught through the summer: CQI Overview, Facilitator Training I, and Facilitator Training II. A brochure announcing the exact time and place will be mailed to faculty and staff.

Questions about CQI should be directed to the CQI Center, University Park, (814) 863-8721.

# Focus on Research

Intercom  
May 13, 1993

Page 11

## First-generation college students face greater **Anx iEt!**

**F**irst-generation college students — and probably their parents — experience greater anxiety than other college-bound students and families.

These students need extra attention and encouragement from colleges and universities so they can succeed academically, according to a report prepared by the Transition to College project of the National Center on Postsecondary Teaching, Learning and Assessment.

A team of seven researchers conducted a recent series of interviews with 132 freshmen at four institutions across the nation. NCTLA is a federally funded consortium of six universities, including Penn State.

"In our interviews, freshmen from college-educated families expressed no sense of risk in attending college," said Patrick Terenzini, a University professor of higher education and project coordinator. "On the other hand, for freshmen from below-average socio-economic backgrounds who were the first in their family to go to college, the decision to attend was anxiety-filled and potentially life-altering."

Many of the first-generation college students interviewed were ethnic

minorities attending urban commuter institutions. Their decision to attend college came from a desire to escape tough economic and social circumstances, according to the interviews.

"To these students, the benefits offered by college are great," Dr. Terenzini said. "But so are the risks and so is the fear of failure."

Regardless of their socioeconomic background, most of the new students interviewed expressed the importance of family support in adjusting to college. For ethnic-minority students who were the first in their family to go to college, however, parents were a source of stress as well as a source of support.

"These students were actually breaking family tradition, not continuing it," he noted. "Some parents, as proud of their sons and daughters as they are, realized their children would change in many ways and that their relationship might also be altered. The students sensed their parents' concerns, which compounded their worries."

The Transition to College project suggests that colleges and universities should tailor their orientation programs to reflect the needs of different students. Many institutions involve parents in their orientation programs, but the researchers believe that the anxieties of first-generation college students and their parents warrant greater attention. Equally important to the students' success is how colleges and universities reassure freshmen of their ability to succeed academically.

"In our interviews, many first-generation students came into college with low expectations often because their high school experiences were not very encouraging," said Laura Rendon, a research team member from Arizona State. "Many expected to be simply a number and to fail."

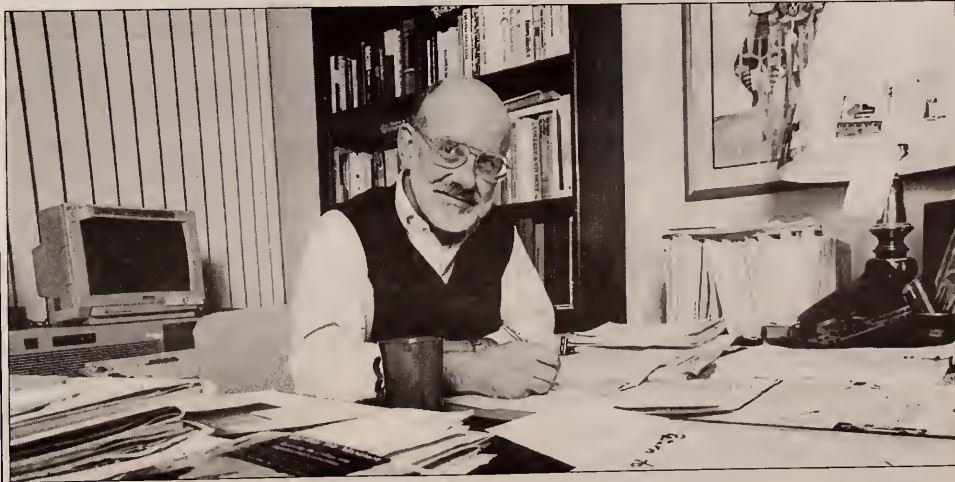
Professors who helped students understand and believe that they were capable of learning, and professors who offered learning activities that allowed students to experience themselves as successful learners were influential in the retention of these students.

Students who had experienced academic encouragement and success in high school had less need for such support in college, but these students still expressed concerns about being socially accepted by peers.

"Across all four institutions, we found freshmen needed to be reassured that they could succeed either academically, socially or both," Dr. Terenzini noted. "There's reason to believe that such reassurance is critical to student persistence and degree attainment. The likelihood for a successful transition from high school or work to college can be enhanced if colleges and universities respond to students' needs for early confirmation of their ability to succeed."

The interviews were conducted at four vastly different institutions: a predominantly Black-American urban, commuter state university in the Midwest; a racially mixed community college in a large metropolitan area in the Southwest; a private residential liberal arts college in the East; and a predominately white, major research university in the rural East.

— Gary Ratcliff



Patrick Terenzini

Highlight on Undergraduate Education

# Annual dance competition is learning experience for students and faculty

After a six-year absence from attending a national dance festival, Penn State undergraduates recently got a glimpse of how well they could hold their own in the "real world" of professional dance.

"I went because I love dance and it was such an exhilarating experience to have your work judged by reputable people who are in the world of dance," said Sloan Wilson, who this month will earn her bachelor's degree in integrative arts. "There was quite a variety of talent there and Penn State dancers showed well. There was no reason to feel intimidated because we held our own against some very well-known dance programs in the country."

Ms. Wilson, who has performed ballet since the age of five, was one of 20 Penn State students to attend the American College Dance Festival held in Michigan. The ACDF is the single largest organization of its kind dedicated to fostering the art of dance in higher education. Her choreographed piece, *Have One on Me*, was selected as one of two Penn State dances to be adjudicated by world renowned dancers and choreographers.

The four-day festival included

workshops, lectures, dance opportunities, interaction with professional dancers, and the chance to experience the adjudication and critique process. Many of those who attended the event are involved in the Orchestis Dance Company, a student group of performers based in the dance program.

"Dance is about performance and students gain the opportunity to perform and take classes from a hand-selected group of instructors who represent some of the nation's best," Erica Kaufman, dance instructor, said. "They are provided the opportunity to hear a critique of their skills, either dance or choreography, from internationally-respected dance scholars."

"This is an educational experience that gives insight into a world they have only encountered briefly and it is definitely a hands-on learning experience—something that every undergraduate should have before graduating."

Dance instructor Liz Limons also presented her choreographed piece, *I'll Sing You a Lullaby*, and was honored with its selection as one of only 10 dances from 43 entries to be performed at a final Gala Concert. In fact, Ms. Limons' piece was selected as the last

work to be performed—a high compliment in dance circles where the finale must be grand and leave the audience wanting more.

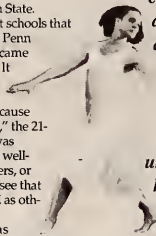
Debra McDougall, a soon-to-be alumna who holds a degree in history, said the experience was a real ego boost, even for those who are not minor-ing in dance at Penn State.

"We competed against schools that have dance majors, which Penn State does not, and we all came back with great attitudes. It was a really energizing experience, although it's hard to nail down why because there are so many reasons," the 21-year-old said. "Maybe it was dancing side-by-side with well-known dancers and teachers, or maybe it was just good to see that we were on the same level as others."

Ms. Kaufman, who was asked to be a master teacher for two dance improvisation classes during the festival, said the event helped her as an instructor.

"I not only taught classes, but I participated in classes offered by others and it's a tremendous joy to be a stu-

*"This is an educational experience that gives insight into a world they have only encountered briefly and it is definitely a hands-on learning experience—something every undergraduate should have before graduating."*



Erica Kaufman  
dance instructor

dent again," she explained. "You obtain a unique perspective on how your own students see you and how you as a teacher can help them better learn techniques. To stand next to my students in class and be asked to perform the same moves gives me a sense of satisfaction. It is a very empowering thing for both teacher and student to see me do the things I ask them to do on a daily basis."

As for participants in the dance program, which is housed in the Department of Exercise and Sport Science in the College of Health and Human Development, and coordinated by Patricia Heigel-Tanner, assistant professor of dance, they will continue their annual trek to the ACDF hoping to gain new insights into the world of dance and to spread the word about the University's accomplishments.

"There is a new flush of fresh energy and Penn State is ripe and ready to reemerge in the dance world," Ms. Kaufman added.



Students perform "I'll Sing You a Lullaby," a piece choreographed by instructor Liz Limons.

Photos: Debra McDougall

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May 13, 1993  
Vol. 22, No. 3

PENN STATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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# INTERCOM

May 27, 1993

Volume 22, Number 32



**What's cookin'?** International Chef-Instructor Dieter Doppelfeld, (center), from The Culinary Institute of America, demonstrates his skills to the 45-member team of University Park and Commonwealth Campus food service managers. The on-site training is the institute's second largest — topped only by 1992 training of 65 Penn State cooks. Penn State Food Service has set a national precedent for food service quality by committing to such a high standard of training. Managers looking to include (from left) Lynn Smith, Karen Godlesky, and Alex da Silva. Photo: Greg Grieco

## University fares well in NCAA graduation comparison

University student athletes in the entering class of 1985-86 graduated at a rate of 75 percent after six years — a rate 23 percentage points higher than the national average of 52 percent, said John J. Coyle, director for the Center for Logistics Research and professor of business administration.

Dr. Coyle noted that, when no time limit is added, nine out of 10 Penn State student athletes who complete their athletic eligibility receive their degrees.

"We can be especially proud of the figure that shows a three-year (1983-84, 1984-85, 1985-86) average graduation rate of 89 percent for student athletes who exhaust their eligibility," he said.

In addition, African-American student athletes at Penn State had a 75 percent graduation rate — 39 percentage points higher than the national average of 36 percent.

Dr. Coyle's statistics were contained in a report released May 19 by the National Collegiate Athletic Association (NCAA), the second graduation rates report the NCAA has released in less than a year. In July 1992, for the first time, the NCAA released data for the entering classes of 1983-84 and 1984-85.

"This latest report represents our long-stand-

See "Comparison" on Page 5

## Bookstore operation to be managed by Barnes & Noble

The University has signed a 10-year "management services" contract with Barnes & Noble for the operation of the Penn State Bookstore system, effective Monday, June 28.

"This business agreement unites the nation's largest bookseller—serving 275 colleges and universities—with the nation's largest collegiate bookstore system, and we are delighted," James M. Wagner, vice president for business, said.

The Penn State Bookstore system generates gross revenues of \$25 million annually at 21 campuses across the state. Barnes & Noble will be responsible for all operational activities of the Bookstore system under the direction of D. Lewis Mothersbaugh, assistant vice president for business services and the University's Bookstore administrator.

The signed contract culminates a recommendation announced in late April from a committee of students, faculty, and administrators that the University "enter into negotiations" with Barnes & Noble.

In addition to analyzing a continuation of current Bookstore management by the University, the committee had reviewed proposals from Wallace Bookstores, Inc. of Lexington, Ky., and Follett College Stores Corp. of Chicago, Ill., as well as Barnes & Noble.

"This business agreement will bring a number of advantages to the University community, and it treats our current Bookstore employees very well," Mr. Wagner said. "All of them will be offered continued employment with Barnes & Noble with a continuation of their University benefits package and equal or, in many cases, increased compensation."

Alan Kahn, president of Barnes & Noble College Bookstores, Inc., said, "To be awarded the bookstore management contract by this great University is both a thrill and an honor. Penn State has a terrific bookstore operation staff with fine people. We look forward to working in partnership with them, and vow to use all of our combined rich resources and talents to deliver superior service and support to every bookstore in this

See "Bookstore" on Page 15

### PRESERVING TRADITION PLANNING FOR CHANGE



*Editor's note: Following is a memo from President Thomas to Executive Vice President and Provost John Brighton on the work of the University Future Committee. An overview of the Committee's final report is presented as a special insert in this issue of Intercom.*

I want formally to thank you and the members of the University Future Committee for the superb job you have done as documented and reflected in the Committee's final report to me. I am grateful not only for the hard work you devoted to the charge before you, but also for your insight in providing broad guidelines for the continuing planning for the future of the University. I appreciate, particularly, the recommendations to move boldly on three major fronts: the life sciences, environmental studies, and material sciences.

In accepting the report, I am pleased to say that most of the recommendations will be implemented through the normal admin-

istrative processes. A few recommendations will require additional study and review and I will work with you to initiate these activities in the near future. Some reductions in administrative positions already have been implemented and others will occur, again, through the normal processes available to the various units.

The recommendations for enhancements will be reviewed by the President's Planning and Budget Advisory Committee, as well as the Budget Task Force in establishing University priorities for the allocation of resources.

As the work of this Committee is approaching the end, I want again to express my thanks for the hard work, the insight, and the courage you have shown in making difficult decisions. I know that you will all be relieved to start the fall without the responsibilities of the Future Committee. Your work has established a direction that will avoid the easy path to mediocrity and will lead this University to a future characterized by true excellence.

DIVERSITY

## Trustees hear highlights of University's diversity initiative

Recruiting, training and making the workplace more welcoming to minority employees have been major priorities for the Office of Human Resources, the Board of Trustees has learned.

**The Employment Division of Human Resources has established links and networks with minority communities and organizations to increase the number of potential minority employees.**

"The scope of the University's initiative to support diversity is broad-based," said Billie Willis, assistant vice president for Human Resources, "and includes programs from child care and dual career employment assistance to an Administrative Fellows Program." Office of Human Resources staff members Cynthia King and Steve Hayes highlighted a number of especially successful programs for the Board.

First among them was the Minority Staff Development Center, established in 1991 to respond to the needs and concerns of the University's non-academic minority staff. Full-time non-academic minority staff has increased 16.6 percent over the past two years from 458 in 1990 to 534 in 1992.

The center is a point of contact for new employees, assists academic and administrative units with the interview process of potential minority employees and offers workshops and seminars for both minority and non minority employees. So far this year, 645 employees have enrolled in the "Valuing Diversity" course.

The center also offers a professional mentoring program that matches new minority employees with experienced employees who have a track record of success and that includes a course, "Coping Strategies for Working in a Predominantly White Environment." Minority Staff Development staff also work closely with the Office of the Vice Provost for Educational Equity, the Center for Minority Graduate Opportunities and Faculty Development, and the Affirmative Action Office.

Other programs highlighted combined outreach and training. The Staff Assistant Training Program is an eight-week summer training opportunity for Pennsylvania minority business school students that began last year. Nine trainees started the program, seven completed it and five were offered employ-

ment. Three are now working at the University. Business schools that participate are given an assessment of their student strengths and areas that need improvement. The program will be offered again this year.

The Minority Professional Entry Program is for people who typically have the academic preparation, but have little or no work experience. Participants are placed in a professional support position and then compete for full-time positions. So far, 26 people have been enrolled, 11 have been promoted to positions throughout the University, four have left to attend graduate school and seven left for external employment.

In addition, the Employment Division of Human Resources has established links and networks with minority communities and organizations to increase the number of potential minority employees. The Vitabank, a data base of potential minority employees, now has 600 members. During the most recent two-year period, 57 minority employees were hired from Vitabank applicants.

Other activities of the Division of Human Resources staff include attending career fairs, such as those sponsored by the Urban League of Philadelphia and the Urban League of McKeesport, and maintaining ongoing contact with minority community leaders.

## Commission for Women continues its mission

A report to the Board of Trustees outlined how the Commission for Women continues to expand the scope and depth of its work for University women faculty, staff and students.

Danielle Richards, chair of the Commission, reported on a wide variety of activities conducted by the Commission for Women during the 1992-93 academic year.

"Each year the scope, depth and expanse of the Commission's work grows," she noted. "Our priorities include addressing issues of concern to Penn State women, fostering professional development opportunities for women, and highlighting the achievements of Penn State women and the Commission."

"Among the issues of concern is the need to maintain a commitment to affirmative action and diversity in a time of fiscal constraint. Our conversations with Provost John Brighton have been very helpful and we appreciate the valuable opportunity to provide input into the University's future planning process."

The Commission also co-sponsored a conference, "Building Coalitions for the 21st Century," along with the Commission on Racial and Ethnic Diversity and the Committee on Lesbian, Gay and Bisexual Equity. Participants discussed issues affecting all areas of the University including faculty, staff and students.

Another project for the Commission is the sponsorship of a study on the faculty tenure process done in conjunction with the Affirmative Action Office, the Office of Human Resources, the Graduate School and the Office of the Vice Provost for Educational Equity. The study is being conducted by Estela Bensonon, William Tierney and Kelly Ward of the Center for the Study of Higher Education.

"We expect that the tenure-track study will provide valuable information on the tenure process for all faculty, but we are especially concerned with the effect of the tenure process on women and other underrepresented groups and on their move-

ment through the University," Ms. Richards noted.

Since 1985, the percentage of full professors who are women has risen by 3.7 percentage points, bringing the total percentage of women full professors to 9.3 percent in 1992. Between 1991 and 1992, 21 women full professors have been added. Women make up 19.3 percent of the associate professors at Penn State, an increase of 7.4 percent.

Overall, the percentage of women academic administrators, which is an indicator of leadership share, has not changed significantly, with some notable exceptions, according to Ms. Richards. Five out of 13 academic administrators in the College of Science are women, making up 38.5 percent of the total and an increase from the 6.7 percent in 1985.

In the College of the Liberal Arts, women academic administrators have grown from 9.1 percent to 21.7 percent of the total.

The commission has continued to build a strong network of liaison committees at all CES locations. The committees' mission is to represent the interests of women at those sites to the CEOs and other administrators. A committee representing Cooperative Extension was established this past year in cooperation with the College of Agricultural Sciences.

"In other professional development opportunities, we are pleased that the Equal Opportunity Planning Committee has selected for funding an administrative fellow/mentoring program which will facilitate the movement of women into the leadership pipeline, especially in the CES," Ms. Richards said. "The program is modeled on the successful Administrative Fellows program in central administration and in the College of Engineering."

"Continuing areas of work in the future include leadership share and staff concerns, career advancement issues for technical service workers, issues of campus climate, and recommendations that come from the faculty tenure-track study."

## University offers help for Native Americans

The University is offering a master's degree and doctoral fellowships for Native American Indian students interested in special education training. The program is affiliated with Penn State's nationally recognized Native American Indian Leadership Program.

"Students from various states, including North Dakota, Wisconsin, Arizona, New Mexico, New York and North Carolina, have graduated from the program that was established in 1983 through a U.S. Department of Education grant," said Anna Gajjar, professor of special education and program director.

The American Indian Special Education Teacher Training Program is designed to prepare Native American Indian teachers to effectively work with mentally and physically handicapped Native American Indian children.

Participants in the program will receive a monthly stipend of approximately \$800, a dependency allowance, remission of tuition and a textbook allowance.

Graduates will receive a master of education degree or a Ph.D. in special education. After graduation, participants will be qualified for several employment opportunities, including special education teacher, special education program coordinator and consultant, special education program developer and special education positions within the Bureau of Indian Affairs. Ph.D. recipients will be qualified for university or administrative positions.

The deadline for submitting applications for fall semester 1993 is July 15. The application deadline for spring semester 1994 is Nov. 15. Applications for both semesters are now being accepted.

For more information, write to Dr. Gajjar, American Indian Special Education Teacher Training Program, 226 B Moore Building, or call the program office at (814) 863-2284, or 863-2287.

## Interim \$1.4 billion budget gets nod

The Board of Trustees approved an interim maintenance and operating budget for the fiscal year beginning July 1 at its meeting May 14 at University Park.

The interim budget was approved at the level of the 1992-93 Total Operating Budget of \$1,458,867,000, for all divisions, including The Hershey Medical Center and all auxiliary enterprises.

"Since we are not yet sure what the state appropriation will be for the University, a final budget will not be available for the Board's approval," Steve A. Garban, senior vice president for finance and operations said. "Thus, the University will need an approved interim

budget to enable it to operate into the new fiscal year, which starts July 1. The Board is not scheduled to meet again until after that date."

The interim budget was approved with the recommendation that no action be taken at this time on changes in tuition, salaries and wages, staff benefits or other necessary expense increases.

A final budget will be submitted at the July 9 Board of Trustees meeting, if and when the state appropriation is clarified.

**For more Trustees' stories, see "Trustees Docket" on Pages 16 & 17.**

Since 1974, the Association for the Education of Teachers in Science has sponsored 15 yearbooks that have contributed significantly to theory and practice in the education of teachers of science and science education in general.

N. K. Bose, HRB-Systems Professor of electrical engineering and director of the Spatial and Temporal Signal Processing Center, is co-editor with M. Jamshidi, University of New Mexico, M. Mansour, Swiss Federal Institute, ETH-Zurich, and B. D. O. Anderson, Australian National University, of *Fundamentals of Discrete-Time Systems*, published by ISI Press, Albuquerque, N.M.

The book is based on the lectures given in Chicago on July 27, 1992, to honor Professor E. I. Jury on his 70th birthday for his pioneering contributions in sampled-data systems and digital signal processing theory. The book consists of invited and contributed papers by experts on the subject from all over the world, a select list of papers by E. I. Jury, his list of publications, and his reflections on four decades of a remarkable academic career.

The topics spanned in the book include not only stability of discrete-time systems, sampled-data control systems, multidimensional systems, robust control, root clustering and distribution, but also nonlinear and time-varying systems, which also could be multivariable.

Mary Dupuis, director of academic affairs at the Penn State DuBois Campus, and Linda H. Merchant, assistant professor of education, are co-editors of *Reading Across the Curriculum: A Research Report for Teaching*.

Published by the ERIC Clearinghouse on Reading and Communication Skills, the book includes chapters reviewing the research on specific disciplines (science, math, the arts, social studies, etc.) written by Penn State faculty and former doctoral students.

Patrick Forsyth, executive director of the University Council on Educational Administration and associate professor of education, is co-editor of *City Schools: Leading the Way*.

Published by Corwin Press, the book seeks to address nine significant "problems of practice," as identified by a group of city principals, youth-serving professionals, and urban university faculty.

*City Schools* is comprised of chapters from nine different authors, whose collective goal is to help practitioners better understand and manage complex problems by identifying and presenting in a scholarly but non-technical format the theory, research, analytic tools, and administrative strategies relevant to each issue presented.

### FACULTY / STAFF ALERTS

#### Pollock Road project

The second stage of the Pollock Road project at University Park is under way and will run through July 2. Closed will be the portion of Pollock Road that runs from the campus entrance on North Atherton Street to the Old Main entrance immediately next to Schwab Auditorium, including the intersection of Pollock and Burrows roads.

The Red H parking lot near the campus entrance will be accessible only through the entrance off Atherton Street, above Noll Laboratory. The nearby visitors lot will be closed. Fraser Road will be two-way and accessible only from Curtin Road.

The parking lots behind Willard Building will be accessible only through the Burrows Road entrance between Deike and Mechanical Engineering buildings.

Unrelated construction, the northern half of the Yellow H Parking Lot behind Osmond Laboratory will be closed for electrical line installation on June 18 through 21.

#### Assistance Fund

The Penn State Retired Faculty/Staff Club has rejuvenated an Assistance Fund designed to provide small emergency grants to retired faculty/staff members or their spouses who are in need.

The recipients of grants must be retired faculty/staff of the University or their spouses and need not be members of the Penn State Retired Faculty/Staff Club.

To obtain funds, an individual, caretaker, or agency must present a written request to the

chairperson of the Retired Penn State Faculty/Staff Assistance Fund Committee. The statement should establish the recipient of the grant as a retiree or spouse of a retiree of Penn State and should indicate the extent and nature of the situation justifying the grant request.

Persons seeking additional information regarding these grant guidelines may contact Assistance Fund Chairperson Jack MacMillan, 447 E. Fairmount Avenue, State College, PA 16801, telephone (814) 238-8664. Others on the committee are Mrs. Michael R. Lynch and Howard Thoele, both of State College.

#### Telephone solicitations

Telephone solicitations for the sale of copier toner, printer ribbons, and other related office supplies are on the increase throughout the University. Most of these solicitations are made from "boiler room" operations that supply inferior quality products at very high prices.

The Department of Purchases maintains a list of legitimate vendors who can supply these products at very competitive prices. General Stores also supplies many of these items. Please do not commit to any of these telephone solicitations. Refer them to the Department of Purchases who will allow them to compete for University business after they have been properly screened.

The telephone number for the Department of Purchases is 814-865-7561.

### PROMOTIONS

#### Staff

Shelley F. Gette to administrative assistant IV in Research and Graduate School.

Karla L. Griffin to staff assistant VI at Penn State Great

Lorraina L. Hazel to applications programmer/analyst in Student Services.

Teresa M. Henry to staff assistant V at Altoona Campus.

Brenda S. Hester to lead physical therapist at Hershey Medical Center.

Shelbi A. Hoover to staff assistant VI in Student Services.

George W. Houck to contracts and proposals specialist in ARL.

David L. Hyatt to technician-researcher at Hershey Medical Center.

Michael C. Immel to supervi-

sor, Manufacturing Systems Laboratory, in College of Engineering.

Teresa A. Kalinay to lead physical therapist at Hershey Medical Center.

Robert G. Kelly to lead physical therapist at Hershey Medical Center.

Mary Ann Lahan to utilization review coordinator/auditing at Hershey Medical Center.

Kyle G. Lysher to assistant research engineer in ARL.

Michael S. McClure to stock-room clerk C in College of Agriculture.

Roni D. McClure to staff assistant V in Division of University Relations and Development.

Harry A. Merkey to assistant manager, Environmental Health, at Hershey Medical Center.



Ted Alleman, instructor in sociology and administration of justice, is co-editor with Roslyn Muraskin, of the C.W. Post Campus of Long Island University, of *It's a Crime: Women and Justice*, published by Regents/Prentice Hall.

He also wrote the first chapter, "Varieties of Feminist Thought and Their Application to Crime and Criminal Justice," in the book, which is a comprehensive text with readings on the subject of women and their involvement in the criminal justice system.

*It's a Crime*, which also addresses the experience of women as offenders and working professionals in criminal justice, is designed to provide a means of studying and integrating the diversity of perspectives that exist in this field of study.

The focus of the work is gender-based differences related to law and justice. Provocative subject overviews introduce each section and discussion questions appear at the end of every section.

Three faculty members in the College of Education have edited a new book on science teacher education. The book titled, *Excellence in Educating Teachers of Science*, was edited as the 1993 yearbook of the Association for the Education of Teachers in Science by Peter Rubba, professor of education, Lois Campbell, assistant professor of education, and Thomas Dana, assistant professor of education.

The 15 chapters of *Excellence in Educating* offer the reader insights into the development and effectiveness of some of the latest approaches to the education of teachers of science, from teacher preparation programs to professional practice communities to research-related internships for science teachers.

"*Excellence in Educating Teachers of Science* hopefully will contribute to the ongoing critical review of science teacher education practice, and serve as a resource of ideas for those educators who wish to reconceptualize the process," noted Dr. Rubba. "We sought research-based descriptions of the most current approaches to the educators of practicing and future teachers of science."

# The Miracle Child

*"She was so tiny that, with the exception of her legs, she could have fit in my hand. Her entire hand was only as big as my thumbnail."*



The Tarbays — Patty, Jennifer and Paul

Jennifer Tarbay may not know it yet — but she truly is a miracle child.

When she was born 14 weeks prematurely on April 9, 1992, Jennifer weighed one pound, one ounce. Only 11.5 inches long, her chances of survival were 50-50, with predictions of numerous complications.

"Right now, she is a happy and active, 14-pound, 13-month-old," said her mother, Patty Tarbay, staff assistant VI in the Office of Budget and Resource Analysis at University Park.

And, on June 6, Jennifer will join other "Miracle Children" on the 1993 Children's Miracle Network Telethon to raise money for pediatric services at the University Children's Hospital at The Hershey Medical Center.

"While Jennifer was in the hospital, one of the nurses, Colleen Mills, mentioned the telethon to us and said Jennifer could be a miracle child," Patty said. "We agreed to do it and earlier this year got a letter notifying us that Jennifer was selected to be one of the miracle children."

Patty and her husband, Paul, a wage payroll employee in Publication Distribution in the College of Agricultural Sciences, live in Philipsburg. They have distributed canisters, with Jennifer's picture on them, in the Philipsburg area, as well as in State College, to raise funds for the hospital.

The telethon will be broadcast June 5 and 6 in south-central Pennsylvania on WCAL-TV, Lancaster. Twenty minutes of every hour will originate from Hershey's Chocolate World, with the remainder of the hour broadcast live from Disneyland.

The Tarbays, Jennifer included, are scheduled to appear on the telethon at 11:40 a.m. Sunday, June 6, to present, in check form, the money raised in the Philipsburg-State College area.

"We felt that everyone at the hospital did a lot for Jennifer," her mother said, "and that raising money for the telethon was a way we could give a little back."

Jennifer was to make her appearance into the world on July 11, 1992, but when complications occurred, her mother was transferred from Centre Community Hospital to University Hospital, where she was diagnosed as having pre-eclampsia, a serious illness during pregnancy in which the body retains fluid and blood pressure rises. At the advanced stage, the liver stops functioning and the kidneys can't excrete the fluid that is being retained. "That was the stage I was at," Patty said.

"Everything happened so fast," Paul recalled. "When I was informed of the transfer from Centre Community to Hershey, I followed the ambulance. Upon arriving at the hospital, there was no time wasted. The staff was super. They gave us a prognosis and, with Patty and Jennifer both critical, we had some immediate decisions to make."

The decision was made to perform an emergency cesarean and tiny Jennifer was placed in the hospital's Neonatal Intensive Care Unit.

"I remember Dr. (Kristi) Watterberg asking us to give them a chance," Paul said. "We gave them that chance and they gave us a beautiful daughter."

"After delivery Patty was critical and couldn't see Jennifer. At 3 a.m. I was told I could see my daughter. She was so tiny that, with the exception of her legs, she could have fit in my hand. Her entire hand was only as big as my thumbnail."

"Paul and I had never heard of the NICU, as they call it," Patty added, "and we were not aware of all the things that happen during pregnancy. But the doctors and nurses were very helpful and answered all our questions."

"They estimated that Jennifer's weight went down to 12 ounces shortly after her birth, but she was too critical to be weighed."

After Patty was discharged from the hospital, she and Paul visited Jennifer on weekends, staying at the Ronald McDonald House in Hershey.

"For the first two or three weeks, she was in critical condition," her mother recalled, "but each week after that, we saw how much she progressed. We made tapes of our voices and the nurses played them for her during the week so that she would become familiar with our voices."

"After weekends of only being able to touch her, on Mother's Day 1992 I was able to hold Jennifer for the first time — she only weighed a mere 1<sup>1</sup>/<sub>2</sub> pounds."

On July 14 — four days after she was scheduled to be born — Jennifer, weighing a full four pounds, was stable enough to come home.

"She has been progressing well since then," Patty said. "She is now crawling, pulling herself up and walking around everything. She has been a fighter from the beginning. All of the doctors and nurses have said that. Otherwise, she wouldn't be here."

"We also realize that, several years ago without today's state-of-the-art technology, Jennifer would never have survived. It is truly amazing what they can do. The entire Hershey Medical Center facility and staff is fantastic and we are very grateful to them."

On July 14 when Jennifer was discharged, Hershey was indeed "The sweetest place on earth."

Jennifer's trip to Hershey Chocolate World for the telethon will be her second. On May 7, she and her parents attended a miracle children's party, where she met and had her picture taken with Franco Harris.

Contributions for University Children's Hospital, to be presented at the telethon, may be sent to Patricia Tarbay, 308 Old Main, University Park.

## CQI Continuous Quality Improvement

A bi-weekly column to keep the University community updated on CQI activities.

### ■ HALLMARKS OF A CQI TEAM

Are you wondering if some of your work could be improved by the formation of a CQI team to study and analyze it? Would you like to know if your attempts to make things better in your work environment are consistent with the practices of continuous quality improvement? Here are five questions that you can ask to ascertain if an improvement project is following the CQI philosophy:

1. Is the effort focused on an identified process that can be described, flowcharted and linked to other processes?
2. Is the effort designed to identify, understand and meet customer needs?
3. Does the effort rely on data to define needs, describe problems and arrive at solutions?
4. Does the effort involve those who work on the process? Is their effort sponsored by the appropriate administrator and are they empowered to make decisions?
5. Does the effort respect individuals and their contributions, whether from co-workers, administrators, customers or colleagues?

Improvement projects may be of short duration or continue indefinitely. They may focus on a single, narrow process within an office or may address cross-functional processes affecting large segments of the University. The goal of every continuous quality improvement project, however, should be improved outcomes based on assessed customer needs. If you would like to discuss a continuous quality improvement effort, please contact Louise Sandmeyer or Carol Everett in the CQI Center, 863-8721.

### ■ AT&T VICE PRESIDENT DISCUSSES QUALITY

Phil Scanlan, vice president of AT&T's Corporate Quality Office, will visit University Park on May 26-27. Mr. Scanlan will meet with the University Council on Continuous Quality Improvement and the College of Engineering's Executive Committee. He will provide his perspective on AT&T's approach to Continuous Quality and what it takes to be a Malcolm Baldrige Award winner.

### ■ FOURTH ANNUAL TOTAL QUALITY SYMPOSIUM

A national symposium, "Continuous Quality Improvement: Making the Transition to Education," will be held in Kansas City, Mo., on July 27-30. Among the symposium's organizers are Northwest Missouri State University, the Academic Quality Consortium, and the Design Engineering Center of the University of Missouri-Rolla. For more information, please contact the CQI Center, 863-8721.

Questions about CQI should be directed to the CQI Center, University Park, (814) 863-8721.

# Comparison

Continued from Page 1

ing experience with student athletes at Penn State," Dr. Coyle said, "and reflects the vigilance our coaches, faculty and administrators have exercised in recruitment and admission as well as the academic support system that has been developed to provide assistance once these young men and women athletes arrive at Penn State."

The figures reported are what the NCAA terms "defined" graduation rates. The defined rate covers only freshmen student athletes on athletic aid but does not provide for the exclusion of those who left the institution in good academic standing (as defined by the NCAA) before graduation.

The NCAA also reports "refined rates." These reflect freshmen and transfer student athletes who received athletic aid and earned diplomas within six years, excluding those who transferred to other institutions in good academic standing.

Defined rates tend to be lower than refined rates because student athletes who transfer out in good academic standing before graduating are counted as "not graduating."

The Penn State football team had a graduation rate of 81 percent for the target group (entering in 1985-86) and a "refined" average of 75 percent for the three years surveyed to date by the NCAA.

The men's basketball graduation rate for the 1985-86 class of entering freshmen was 83 percent and the "refined" three-year-average was 80 percent. The Lady Lions had an average of 88 percent "refined" for the three-year study.

## OBITUARIES

Sylvia Stein, director of the Penn State National Space Grant College and Fellowship Program, director of the Pennsylvania Space Grant Consortium, and former executive director of the Penn State Center for Cell Research, died April 26. She was 70.

She received all of her degrees from Penn State, including a bachelor of science degree in microbiology in 1961, a master's degree in science in 1963, and a Ph.D. in 1966 in biochemistry and virology. She also received her own grant to complete a post-doctoral fellowship degree in the Department of Biophysics in 1968. Later, she completed most of the required courses for a master's degree in the history of architecture and traveled widely to enhance her architectural knowledge and appreciation.

Periodically she taught and did research in her field of studies at Penn State from 1966-1980, including a course in Writing for Publication. She served as executive director of the Center for Cell Research from 1986 to 1990, when she became director of the National Space Grant College and Fellowship Program.

Dr. Stein was an exceptionally

Other sports covered in the report include men's cross country/track, baseball, men's "other," women's cross country/track, and women's "other."

## In the Big 10 conference, Penn State ranked second for all student athletes; second for African-American student athletes; and first with its football graduation rate of 81 percent.

The NCAA report also listed six-year graduation rates for the entire student body beginning in 1985-86. Penn State's graduation rate for the University Park campus was 77 percent, compared to 54 percent for all students nationally.

The graduation rate for Penn State male student athletes beginning in 1985-86 was 76 percent, compared to the NCAA norm of 48 percent. For Penn State female student athletes, the graduation rate was 74 percent, compared to the national norm of 55 percent.

In the Big 10 conference, Penn State ranked second for all student athletes; second for African-American student athletes; and first with its football graduation rate of 81 percent.

her efforts over the last five years she secured over \$10 million in grants for science and technology projects at Penn State.

She was committed to the advancement of women in all fields of endeavor. She was one of the founders of the Women's Resource Center in State College and was instrumental in having it included in the University Way.

Jean Downey Ambersson, retired professor of home economics, died Jan. 19 at the age of 99.

Dr. Ambersson graduated from Waynesboro High School and attended Wooster College in Ohio for two years. She received her bachelor's and master's degrees from Columbia University and her doctorate from the University of Chicago.

She was professor of home economics from 1924 to 1959. She also spent two-and-a-half years on a special teaching assignment in Taiwan.

After retiring from Penn State, and just prior to the escalation of the Vietnam War, Dr. Ambersson worked with the U.S. State Department based in Thailand, leading workshops in Thailand, Cambodia, Vietnam and

## NEWS IN BRIEF

### Subjects sought

Legally married couples: Earn \$20.00 for participation in a study of personality and marriage. This study will take 90 minutes and can be conducted in your own home at your convenience.

For more information and to schedule an appointment, call Aaron Pincus, Department of Psychology, 814-863-1723.

### Visiting scientists

Zoltan Veress, a visiting scientist from Semmelweis University Medical School in Budapest, Hungary, is spending part of his two-year research fellowship with Penn State's Lactation Research Group.

Working from the Department of Dairy and Animal Science, he is investigating the biologically active substances in milk, especially variants of prolactin. An assistant professor of anatomy, embryology, and histology at his home university, he spent the first 18 months of his fellowship with the Department of Molecular and Cell Biology.

Another visiting scientist in the Department of Dairy and Animal Services is Omar A. Salama, Fellow to the Minister of Agriculture from the National Research Institute in Cairo, Egypt.

Mr. Salama, who holds the title Peace Fellow through his country's Cultural Exchange Program, is studying ovarian responses to hormonal treatments at the Dairy Breeding Research Center (DBRC).

### The Big Show II

General Stores will host the BIG SHOW II in the Ballroom of the Nittany Lion Inn on the University Park Campus from 10 a.m. to 2 p.m. Wednesday, June 2.

More than 35 manufacturers of popular office products and janitorial supplies will have displays. See desktop and computer demonstrations and learn more about Penn State Business Services. Free product samples and refreshments will be provided at this vendor-sponsored event.

Attendees will be registered to win one of four grand prizes: a deluxe gas grill, a 19-inch television, a Symphonix VCR and two free airline tickets anywhere in the continental United States; plus a portable CD player, camping equipment and a ceiling fan.

Expanded staff shuttle service will be available every 20 minutes at the following stops: Physical Plant Building, Shields, the Classroom Office Building, Rider Building, Recreation Building, the Creamery, Business Services and Barbara Building.

### Summer hours

The Parking Office on the University Park Campus is now operating on summer office hours. The office is open to the public from 8 a.m. until 5 p.m. Monday, Tuesday, Thursday and Friday. Wednesday office hours are 10 a.m. to 5 p.m.

### Astronomy grant

Roger Knacke, professor of physics at Penn State Erie, The Behrend College, and head of the College's Division of Science, has been awarded a \$132,381 grant from NASA's Planetary Astronomy Program to study the atmospheres of Jupiter, Saturn, and Saturn's large moon, Titan.

Dr. Knacke and fellow researchers will measure heat radiation from Titan, a mysterious Saturnian moon whose surface has never been seen because of a perpetual opaque cloud cover. The researchers hope that heat radiation, which passes through the atmosphere, will allow them to explore the surface of Titan for the existence of continents and oceans under the clouds.

The research also includes observations of Jupiter to be conducted at telescopes in Arizona and Hawaii. Information collected in this work will be used to support NASA's Galileo missions to Jupiter. The Galileo spacecraft, now on a trajectory that will take it to Jupiter in December 1995, includes a probe that will measure the temperature, pressure, and composition of the Jovian atmosphere.

A former visiting senior scientist at NASA's Marshall Spaceflight Center in Huntsville, Ala., Dr. Knacke is chair of the NASA Infrared Telescope Facility Management and Operations Working Group. His research interests are atmospheres of planets and the origin of the solar system.

### Recreational sports

The Recreational Sports Fitness Program schedule for summer is as follows:

- A new class, "Going South," begins Monday, June 14, and ends Friday, Aug. 6. The class includes muscle conditioning for abdominals, hips, buttocks and thighs. Held MWF from 12:10-12:50 p.m. in Recreation Building's South Gym. The fee is \$20.
- Spaces are still available for the following fitness classes:

Class	Day	Time	Where	Fee
Aqua-size	MW	5:30-8:30 p.m.	Natal.	\$30
Shape up	MWR	5:20-6:20	Intra. Bldg.	\$30
Adv.	MWF	12:10-12:50	Intra Bldg.	\$25
Shape up	upi			
Steppin' HiLo	MWF	5:30-6:30	White	\$30
Bench Bound	TR	5:15-6:30	Intra Bldg.	\$30
Muscle conditioning	TR	12:10-12:50	Intra Bldg.	\$17

Registration for classes is in Room 2, Intramural Building from 8 a.m.-4 p.m. Enrollment is limited.

For more information, call the Recreational Sports Fitness Program at 863-5401.

### Arts on Channel 3

Broadcast live from the West Lawn of the U.S. Capitol, "The National Memorial Day Concert," airing at 7:30 p.m. Sunday, May 30, on WFSX-TV, offers a stirring tribute—both musical and spoken—in millions of men and women who have served on the nation's behalf. Guest artists include Judy Collins, Mac Davis, Dana Delany, Pete Fountain, and others in concert with the National Symphony Orchestra led by Erick Kunzel. E.G. Marshall hosts.

Great Performances present "Yema: A.O.S. Girl" airing at 9 p.m. Memorial Day, Monday, May 31, and at noon Sunday, June 6. This program features Sissy Spacek as a WW II song-and-dance ingenue who makes up in perseverance what she lacks in talent. William Hurt costars.

"Vladimir Feltzman: Journey from Home," airing at 10 p.m. Sunday, profiles acclaimed pianist Vladimir Feltzman and features his first performance in Moscow since his dramatic departure in 1987. The program is a fascinating portrait of the dissident musician as he revisits his past and the family he left behind, while discovering a new, post-glasnost Russia.

From Mussolini to Madonna, Buffalo Bill to Lucille Ball, Lawrence of Arabia to Desi Arnaz, the mass media has fueled the flame of fame for the past 100 years. Watch "Clive James' Fame in the 20th Century," premiering over four consecutive evenings beginning Monday, June 7, from 9 p.m. to 11 p.m.

### Summer Lecture Series

The Summer Lecture Series at Penn State, featuring eight internationally acclaimed educators, opens on June 9 at

7:30 p.m. in Schwab Auditorium at University Park. Suzan Zeder and Jim Hancock, theatre artists from the University of Texas, Austin, will present "Inner Sources for Out-Write Expression."

Drs. Zeder and Hancock base their work on the belief that within every person there is a wellspring of creative consciousness which provides the energy for all artistic, analytic, and expressive behavior. Whether this impulse is made manifest in the arts, business, politics, law, education, science, or medicine, the creative force enables us to make connections in new and different ways, to solve problems, and to express ourselves "with the precision of poetry." The aim of Drs. Zeder and Hancock is to enable participants to remove blocks that inhibit expression.

The lecture is free and open to the public. For information, call Rita Redden in the College of Education at 865-6569.

### Studio tour

Pennsylvania Centre Stage, Penn State's sum- mer professional regional theatre, is offering a free tour of the Theatre Arts Production Studio at 1 p.m. Saturday, June 19.

The production studio, located in the Academic Activities Building at University Park, houses the scene shop, the costume shop, the lighting labs and prop, scene and costume storage for Pennsylvania Centre Stage, as well as the University Resident Theatre Company.

The tour, long tour will allow guests to witness sets being built, costumes being constructed and a behind-the-scenes look at the lighting lab. The lab is used by directors and lighting designers to demonstrate how a particular lighting effect will work on stage.

The tour is free, but due to limited space registration is required. To register, call (814) 865-1871 Monday through Friday, 8 a.m. to 5 p.m. Deadline for registration is June 4.

### Penn's Woods

Tickets for Music at Penn's Woods, Penn State's summer orchestral and chamber music festival, are on sale June 1. Subscriptions and single tickets are available.

The summer's Saturday concerts are 7:30 p.m. June 19, June 26, July 3 and July 10. The first three concerts are in Schwab Auditorium; the final concert will be in Eisenhower Auditorium on the University Park Campus.

Season tickets are \$24 for non-students; \$15 for students and children. Single tickets are \$8 and \$5.

This season's repertoire includes works by Beethoven, Dvorak, Barber, Mozart and Bartok. Douglas Meyer, music director of Penn's Woods, will conduct the June 19, June 26 and July 10 concerts. Guest conductor Peter Luckw will direct the July 3 concert.

Free chamber music concerts will be presented in the School of Music Recital Hall at 3 p.m. on the following Sundays: June 20, June 27 and July 4; and at 7:30 p.m. on these Wednesdays: June 30 and July 7.

A program of the School of Music in the College of Arts and Architecture, Music at Penn's Woods unites gifted musicians from colleges and universities across the United States for a month-long residency at Penn State.

For tickets, contact the Eisenhower Auditorium Center, at (814) 863-0255.

### Drama camps

The Department of Theatre Arts will continue its outreach program to area young people with two, one-week MetaStages Theatre Centre Drama Camps at the Pavilion Theatre on the University Park Campus during July.

MetaStages director, Joann Leonard, announced daily sessions from 1 a.m. to 3:30 p.m., for grades 3 through 5 and grades 6 through 10, to be held concurrently during the weeks of July 19-23 and 26-30.

A professional faculty of five instructors will conduct morning workshops in various theatre skills including mask-making, line dancing, mime and juggling. Afternoon sessions will focus on scene study, theatre games, rehearsals and performance. Enrollment is limited.

For further information, contact MetaStages, 1005 Saxton Drive, State

College, Pa. 16801, (814) 867-8390.

### Clay works

An exhibition of clay works by Monika Modest is being held in Pattee Library's East Corridor Gallery until June 30.

About her works, Ms. Modest explains, "I see my ceramic paintings as fields of color where lines and colored shapes are used to induce movement and direction and to create patterns in order to guide the viewer's eyes as it moves across the surface.

"In my ceramic wall pieces and sculptural forms the clay surface becomes a canvas. Dabs of colored slips, more recently a limited number of glazes, applied in numerous layers, intricate linear patterns, endless variations in color and texture are used."

Ms. Modest, born in St. Gallen, Switzerland, lives in Boalsburg with her husband and two daughters. She received her master of fine arts degree in ceramic sculpture in 1988 and her bachelor of fine arts degree in ceramics in 1983 from California State University in Long Beach. Her works have been exhibited in California and locally at the Art Alliance, Blat Art Museum, Gamble Mill, Johnstown Art Museum, Penn State, and Schwab Library.

### Acrylic paintings

An exhibition of acrylic paintings by Christine Gordon is on display in Pattee Library's West Lobby Gallery through June 30.

The works, done in black and white, are abstracts of faces depicting a range of human emotions.

Ms. Gordon, originally from Reading, has worked for several senior designers in State College. She graduated this spring from Penn State with a bachelor of arts in general arts and sciences.



## Summer Sessions concentrates on understanding children

"The Child in Us" is the theme of the 1993 Summer Sessions at the University Park Campus.

In addition to providing ongoing University classes, the Summer Sessions hosts programs that offer informal educational and cultural experiences to the University and surrounding communities.

"This year, our summer is dedicated to understanding the way the child learns and creates," Nancy Tischler, director of Summer Sessions, said. "Through a series of public programs, we hope to find some keys to help us understand how best to teach children—and other people—and to unlock the child within ourselves."

Reflecting the theme is the summer lecture series, "Children are Our Future," running each Wednesday from June 9 through July 28. Guest speakers will discuss different aspects of children's learning and imagination.

All the Wednesday lectures will start at 7:30 p.m. in Schwab Auditorium, except for the July 28 workshop by

Among the guest speakers are Rafe Martin, author and storyteller; Seymour Papert, of the Media Laboratory at Massachusetts Institute of Technology; and Vivian Paley, from the University of Chicago Laboratory School.

Also scheduled is a film festival showing films produced by and about the lives of Native Americans and the Aborigines of Australia.

Running daily from June 13 through 18 at 7:30 p.m. in the Carnegie Cinema, the festival also will host three speakers: 1964 Olympic running champion Billy Mills, Native American filmmaker Bob Hicks and Diane Bell, distinguished anthropologist and expert on indigenous people of Australia and author of the popular book *Daughters of the Dreaming*.

Cosponsors are the Australia-New Zealand Center, the American Indian Leadership Program in the College of Education, the Native American Indian Graduate Student Association and the Department of Film in the School of Communications.

seminars through June and July, led by Eberly College of Science professors. They will be held each Thursday in the Fireside Lounge of the Nittany Lion Inn from June 10 through July 28.

On July 12, Shelby Lee Adams, a photography professor at Salem State College, will discuss her upcoming book, *Appalachian Portraits*, at 3:30 p.m. in 111 Warrick.

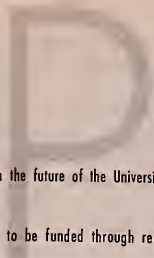
Visiting minority scholars will be teaching classes and presenting public programs as part of the annual Scholars in Residence Program. Also from June 22 through 26, a conference, "Multiculturalism in the United States: Putting Theory into Practice," will be held at the Keller Conference Center featuring humanities faculty from universities nationwide. Among the goals are to identify key ways of implementing a multicultural curriculum in humanities courses and overall institutional programs.

Diversions activities, such as Fisher Paez skating, ice cream socials with music, and bowling and ice concerts, are scheduled throughout the summer.

For more information, contact the Summer Sessions



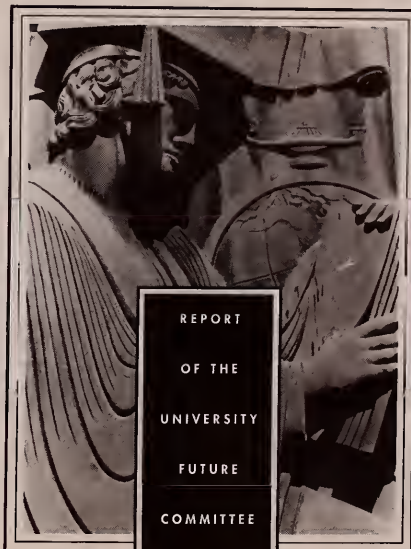
FUTURE  
COMMITTEE  
REPORT  
RECEIVED  
BY BOARD



Penn State's Board of Trustees re- charged the members of the University Future Committee in March, 1992, received a report on the future of the University on May 14 that includes a wide to develop a plan for continuing Penn State's progress — a plan that would range of changes to be funded through reinvesting current University funds. build on the University's academic quality while narrowing the focus of

■ In response to recent cuts in state appropriation, President Jacob Thamas the activities of the University.

# PRESERVING TRADITION PLANNING FOR CHANGE



REPORT  
OF THE  
UNIVERSITY  
FUTURE  
COMMITTEE  
MAY 1993

John A. Brighton,  
executive vice president  
and provost, outlined 14 months  
of work by the committee  
and pointed out highlights  
from the group's final report.

"Academic quality  
is the first priority in this  
report," Brighton said.

"That may be best summed up  
in our vision statement  
for Penn State: 'To be  
one of the nation's  
preeminent public universities,  
offering the highest quality  
educational experiences'."



The report, titled: "Preserving Tradition, Planning for Change," proposes budget reductions and program enhancements in every academic and administrative area of the institution and calls for increased cooperation between academic units.

"This report is not the final chapter of the Future process for the University, but rather should be thought of as a working document for continuing the process of planning," Brighton said. "It should be a framework for on-going dialogue as we find our way along the path of change.

"We do not yet know what this year's appropriation from the state will be, but this report lays a foundation for continuing progress at Penn State," Brighton said.

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WORKING DOCUMENT FOR  
CONTINUING THE PROCESS  
OF PLANNING,"**

The future-planning process required each academic and support unit to develop a three-year strategic plan that included an overall budget reduction of 10 percent, reallocations of 2.5 percent and an additional 5 percent in program enhancements.

"Through careful self-examination that involved the work of hundreds of faculty, staff and students, we have devel-

oped a plan that calls for the reinvestment of current University resources to improve the basic components of the University, including such areas as teaching, advising, curriculum, class size, and graduate student support," Brighton said.

In addition to unit-requested enhancements, the Future Committee made recommendations concerning ten cross-unit issues and long-term directions of strategic importance to Penn State's continuing progress. These areas included undergraduate education, extracurricular learning, interdisciplinary initiatives, graduate education, engineering and engineering technology programs, diversity, information technology, the teaching responsibility of all faculty, faculty and staff quality, and assessment.

Many areas identified by the Future Committee process call for further study and a number of study groups and task forces were recommended. Areas for further study include the quality and complexity of general education requirements, and opportunities for initiatives in the life sciences, materials science, and for environmental programs.

The Future Committee Report identifies budget reductions totaling \$30.8 million over the next three years. "Approximately two-thirds of the



EXECUTIVE  
SUMMARY

budget reductions proposed by the units involve administrative or academic support areas," Brighton said. "Only about one-third of the reductions come directly from academic areas, such as faculty positions, graduate assistant support, and departmental operations. Even with those cuts, because of the proposed reallocations, we anticipate no net faculty reduction as a result of this process."

College budget reduction proposals called for the elimination of 17 academic programs and the administrative restructuring of seven programs and departments. Many of these proposals already have been referred to the University Faculty Senate or the Graduate Council for review. Others are still under discussion in the colleges.

Other reductions proposed by the units include eliminating staff positions (to be accomplished through normal attrition and reassignment, if possible), converting some staff positions from 12 to 10-month appointments, eliminating sections with low enrollments, restructuring administrative organizations, reducing brochure-type publications, and many others.

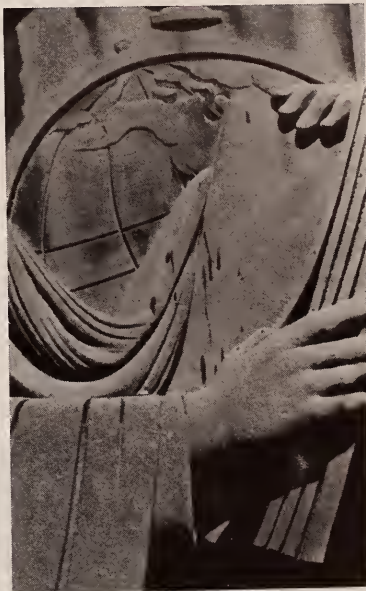
"The Committee recommended, at least partially projecting from reductions, items such as scholarship support, funding for the Scholars program, library acquisitions, and diversity programs," Brighton said.

The Commonwealth Educational System

also is continuing its planning effort for the future. The Commonwealth Campuses are now preparing strategic plans within the framework proposed by the CES this year. The CES framework calls for greater regional collaboration among campuses, more specialization at some locations, and the possibility of more upper division course offerings.

"Despite our budget challenges, Penn State's planning for the future moves forward from a position of strength. We can capitalize on many opportunities that are not available to other institutions of higher education," Brighton told the Board.

"Penn State shows up in this process as a great university. The people here are very dedicated and make the University the outstanding institution that it is," Brighton said.



Building and Kern Graduate Commons, the Faculty Senate office and a number of other offices will receive copies of the approximately 150-page report.

"Speaking for the Committee, we have seen Penn State up close, and we like what we see. It has a great tradition."

In keeping with the open Future Committee process followed throughout the group's existence, Brighton said copies of the report will be made available widely. Academic departments, the offices of deans and CEOs, libraries at all Penn State locations, the front desks at the Hetzel Union

Penn State's vision is to be one of the country's finest public universities: in the education offered to students, in research and creative activities, and in service to communities, the state, and the nation. This vision shapes the report of the University Future Committee, just as it has shaped the committee's work of the past fourteen months.

When President Joab Thomas appointed the committee in March 1992, he charged the members to develop a plan for continuing Penn State's progress—a plan that would build on the University's academic quality while being responsive to the recent significant decrease in state funding and sensitive to concerns about increasing tuition. The president asked the Future Committee to make recommendations for both budget reductions and program enhancements that addressed University-wide priorities. This effort was to be based on intensive study of Penn State's activities and organizations, including strategic planning proposals from each of the twenty-four academic and support units and input from the University community. The Future Committee's report, *Preserving Tradition, Planning for Change*, presents these recommendations for moving the University forward in quality during a period of budget constraints.

## STRATEGIC FRAMEWORK

The committee's work proceeded within a framework established by the University's values and beliefs, vision, mission, and goals. The various elements of this strategic framework have been developed over the last several years by President Thomas, the Board of Trustees, and Penn State's academic leadership including the Council of Academic Deans and the University Faculty Senate. The Future Committee process was a compelling force in pulling these elements together into a cohesive statement about the University's continuing course.

The specific vision statement contained in this framework, "To be one of the nation's preeminent uni-

## GUIDING PRINCIPLES APRIL 1992

1. Maintaining and improving the academic quality of the University will be our first priority.
2. The Committee will look University-wide for possible budget reductions. Budget reductions should not be "across-the-board."
3. Selective budget reductions must not only meet current needs, but also should provide resources for enhancement of programs of higher quality. When programs are reduced or eliminated, typically a portion of the funding would remain in the unit for further enhancement of other programs in the unit.
4. Selective budget reductions should be recommended so as to build on strengths and place academic quality as the first priority. In accordance with the Strategic Goals adopted by the University in January 1990, emphasis should be placed on those programs and activities which:
  - a. will be most effective in meeting Penn State's overarching goals of quality and national reputation;
  - b. fulfill the greatest need in meeting the University's mission of teaching, research, and public service;
  - c. maintain infrastructure and essential services.
5. The Committee should consider budgetary savings possibilities for both the short term (1992-93) and the longer-term (three to five years).
6. Because of the impact of the loss of tuition income, we do not expect to be able to seek enrollment reductions as a means to cope with possible budget shortfalls. Therefore, initial plans developed by individual academic units should not include planned enrollment decreases.
7. Penn State is in a growth mode in terms of the faculty's research program; special opportunities to capitalize on that growth should be identified and brought forward. Possibilities for increased income in other areas should be explored as well.
8. Budget reductions will be identified and implemented sequentially. Where possible, budget allocations will be made sequentially.
9. It is preferred that any budget reductions involving faculty or staff positions will be achieved through attrition, retirement, and/or reallocation of present vacancies.
10. Space and facilities will be considered as part of the process for seeking additional resources for program enhancement.
11. The Committee will seek to establish change through a collegial, collaborative process at all levels. Committee discussions are to be conducted in absolute confidentiality.

"B  
BUDGET

REDUCTIONS SHOULD NOT BE

'ACROSS-THE-BOARD'."

versities, offering the highest quality educational experience," was established through broad consultation within the University community.

To be preeminent means to be recognized by many important constituencies as one of the best institutions of higher education in the nation—to be admired by students, parents, and employers for the quality of undergraduate education, to be known to funding agencies and the scholarly community for the contributions of Penn State research, and to be valued by the Commonwealth and the nation for the leadership and service Penn State provides. The University's vision further emphasizes the centrality of the teaching mission, not only in the classroom but through research experiences, internships, faculty advising and mentoring, and campus life.

## PLANNING GUIDELINES

Reflecting this focus on quality and the realities of budget constraints, the Future Committee began its work by articulating a set of guiding principles that emphasized narrowing the focus of Penn State's activities to provide funds for reinvestment in areas of need and for program enhancements. Academic quality was identified as Penn State's first priority. Units were asked to achieve faculty or staff reductions through vacancies and retirements and to minimize reductions in activities supporting diversity at Penn State, including recruitment and retention efforts directed toward women and minority students, faculty, and staff.

The guiding principles also pointed to the strategy that was to be used in this process: to assess where the University is and where it is going, to refocus programs and activities, and to build on strengths.

The guiding principles were accompanied by specific planning guidelines that asked each academic and support unit to develop a three-year strategic plan, based on its current budget, that included an overall budget reduction of 10 percent, reallocations of 2.5 percent, and an additional 5 percent in program enhancements. These plans were to be developed with broad input from faculty, students, and staff. Preliminary plans identified by each dean and support unit head were discussed with the Future Committee early in the planning process. The committee then reviewed the formal plans submitted

by the units as part of Penn State's ongoing strategic planning process in fall 1992, and made specific recommendations regarding each plan.

## THE PENN STATE OF THE FUTURE

As the committee worked from the strategic framework and planning guidelines, a sketch of the Penn State of the future emerged that provided direction for recommendations regarding program reductions and enhancements. In the committee's view, the Penn State of the future will have at its center excellence in the liberal arts and sciences to provide the basic knowledge and skills needed by all students for productive careers, informed citizenship, and personal fulfillment. This arts and sciences core will be surrounded by superb professional schools in areas as diverse as agriculture, art, business, communications, education, engineering, and health. The land-grant mission will continue to be vital to the University and to the Commonwealth. The Commonwealth Educational System will be stronger, more focused, and, along with Penn State's continuing education programs, viewed as a national leader in using new delivery systems and technology to bring high quality education to many locations. New areas of interdisciplinary cooperation will have developed, among and within colleges. Penn State will be a truly diverse academic community reflecting the many different groups in our society and the world community.

The committee supports these general directions as the means to achieve excellence in the University's classrooms, world-renowned graduate and research programs, and strengthened outreach and service programs considered vital by citizens of the state and nation. The committee's specific recommendations begin to shape such a course for Penn State.

## PROPOSED REDUCTIONS

Academic and support units proposed a variety of strategies to narrow the focus of their activities. These included college proposals for the elimination of ten undergraduate and seven graduate programs. Six departments are identified for realignment within other departments and one department is recommended for elimination. All recommendations for academic program changes are being forwarded for re-

view to the University Faculty Senate or Graduate Council as required by Penn State's shared governance procedures. Many of these changes have now been reviewed and endorsed by the appropriate faculty body, and sent to the President. Several academic restructuring proposals are at various stages of discussion within a number of colleges.

In addition to program elimination and restructuring, other strategies proposed by the planning units to meet their 10 percent reductions include eliminating vacant faculty and staff positions, converting some staff positions from 12-month to 9- or 10-month appointments, eliminating underenrolled course sections, restructuring administrative organizations for added efficiency by eliminating middle management positions and reducing or merging selected support activities, and reducing numbers of publications.

Approximately two-thirds of the total budget reductions proposed by the units involve administrative or academic support, with the remaining third related to academic activities. Many of the academic program reductions result from eliminating unfilled faculty positions. Approximately 123 standing faculty positions will go unfilled as a result of the unit reduction proposals. However, new faculty positions will be added through selected program enhancements and it is anticipated that no net faculty reduction will result from the Future Committee process. No overall reduction in student enrollment is proposed.

#### ENHANCEMENTS

Every unit proposed enhancements for improving the basic components of the University, including such areas as teaching, advising, curriculum, class size, information technology, graduate student support, minority financial aid, and equipment.

In addition to the unit-requested enhancements, the improvement of undergraduate education received continuing attention in Future Committee discussions, with particular concern expressed about the complexity of Penn State's undergraduate degree requirements. The committee recommended that the University Faculty Senate consider a limit of 130 credits for four-year baccalaureate degree programs, and also review the complexity of existing general education requirements. The committee further requested that the Faculty Senate consider the elimination of the exercise activities and health sciences requirement for Penn State undergraduates, reflecting a concern that this requirement is out of step with other curricular requirements and that the resources used to support this requirement could be better directed elsewhere.

The Future Committee also identified three special opportunities for Penn State to build on existing strengths in areas consistent with important societal needs. The committee believes that by strengthening interdisciplinary initiatives in the life sciences, environmental programs, and materials science, the University can take a national leadership role

that will influence life significantly in the 21st century. Toward this end, the Future Committee recommended that study groups be appointed to examine Penn State's current efforts in the life sciences and environmental programs, and propose alternatives for enhancing interdisciplinary efforts in these areas. In the case of materials science, which had recently undergone an administrative restructuring to improve the coordination of interdisciplinary research, the Future Committee recommended that new efforts be made to expand the development, promotion, and delivery of graduate education in the field.

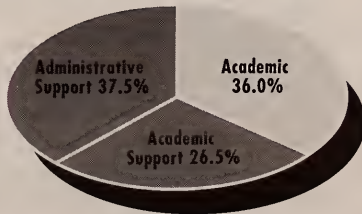
In addition to these areas, the committee identified and made recommendations on a number of other issues of broad strategic importance to Penn State. These include extra-curricular learning, graduate education, engineering and engineering technology programs, diversity, information technology, faculty teaching responsibilities, faculty and staff quality, and assessment.

#### CONTINUING EFFORTS

Many areas identified by the Future Committee process called for further study beyond the deliberations of the past year. The committee recommended nearly 20 study groups and task forces to explore these topics further. These include a comprehensive review of the University's engineering and engineering technology programs, a review of the system-wide structure for providing general

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OUGH THE  
PLANS ARE AS VALID AS THE  
UNITS THEMSELVES, ALL FOCUS  
ON IMPROVING QUALITY  
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IN ACADEMIC UNITS,  
IMPROVING THE QUALITY  
OF UNDERGRADUATE AND  
GRADUATE EDUCATION IS A  
CONSISTENT THEME."

#### Proposed Budget Reductions by Category



**ACADEMIC SUPPORT** budgets include college and departmental administration, plus support units such as the University Libraries, Interlibrary Research Programs, Academic Assistance Programs, and the Center for Academic Computing.

**ADMINISTRATIVE SUPPORT** budgets include non-academic units such as Student Affairs, Development and University Relations, Office of the President, and Finance and Operations.

**ACADEMIC** budgets include faculty, part-time faculty, graduate assistant positions, and departmental operating funds for the University Park colleges, Penn State-Behrend, and Penn State Harrisburg.

CES budget reductions will be determined in the future by enrollment changes within the system.

	UP Colleges Behrend & Harrisburg	Support Units	Total
<b>Academic</b>	<b>\$11,008,932</b>	<b>\$ 81,686</b>	<b>\$11,090,618</b>
<b>Academic Support</b>	<b>5,633,153</b>	<b>2,541,769</b>	<b>8,174,922</b>
<b>Administrative Support</b>		<b>\$11,559,415</b>	<b>\$11,559,415</b>
<b>Total</b>	<b>\$16,642,085</b>	<b>\$14,182,870</b>	<b>\$30,824,955</b>

education courses in the fine arts, and cost-effectiveness analyses of all of Penn State auxiliary enterprises and university services.

Planning also continues for the Commonwealth Educational System. The plan brought forward by CES to the Future Committee offered general directions from which the planning efforts of the seventeen Commonwealth Campuses could proceed. These directions include regional collaboration among campuses, more specialization at some locations, team teaching at multiple locations aided by interactive video, and the possibility of more upper division course offerings. The Commonwealth Campus strategic plans, due in October 1993, will identify specific proposals within these general directions. A comprehensive CES strategic plan will then be submitted in January 1994.

#### COMMUNICATION AND CONSULTATION

As the past year of planning for change and increased quality proceeded, communication and consultation were important Future Committee activities. The committee held hearings at every Penn State campus, in every academic college, and at several general locations. The committee met regularly with the student leadership and also met several times with other groups such as Penn State's teaching award winners and various administrative bodies. Progress reports were made often to the Board of Trustees, the University Faculty Senate, and deans and department heads. Frequent reports in the *Intercom* and radio and television interviews informed the Penn State community about Future Committee activities. In addition, all colleges, all campus libraries, and the members of the University Faculty Senate received a summary of the budget reductions and enhancements proposed by the units.

The report of the University Future Committee adds to this record, summarizing the planning activities, budget proposals, and committee recommendations that identify directions for Penn State in the years ahead. The Future Committee is pleased to make this report to the president, confident that these recommendations for preserving tradition while planning for change will help move the University forward to a new era of excellence.

### Summary of Recommendations

## CROSS-UNIT ISSUES AND LONG-TERM DIRECTIONS

#### UNDERGRADUATE EDUCATION

Critically assess the general education requirements to simplify the curriculum and improve the quality of education delivered to every individual receiving an undergraduate degree at Penn State.

Limit program requirements to 130 credit hours for four-year majors and 150 credit hours for five-year majors.

Examine requirements for all majors and reduce them where possible.

Eliminate the exercise activities and health requirement within the general education program, continuing a well-managed program of exercise activities electives within the Department of Exercise and Sport Science and a strong mix of exercise activities courses and intramural opportunities at the Commonwealth Campuses.

#### EXTRACURRICULAR LEARNING

Work diligently to engage students in the intellectual pursuits of education and discovery through out-of-class activities.

Increase the level of cooperation and joint programming between the Division of Student Affairs and the Office of the Vice Provost and Dean for Undergraduate Education.

Assess the quality of the extracurricular environment at all Penn State locations as a foundation for continuous quality improvement.

Create departmental incentives for collaborative student/faculty research projects.

Promote the formation of new interest houses in the residence halls.

Improve dissemination of information about speakers.

#### INTERDISCIPLINARY INITIATIVES

Give careful consideration to modifications of the current structure for teaching, research, and service in the life sciences, environmental programs, and materials science

Establish a study group on the organization of life sciences at Penn State, exploring alternatives to enhance success in this area.

Establish a study group to review the breadth of effort in environmental programs at Penn State and improve coordination of these activities.

Expand the responsibilities of the Materials Research Institute to coordinate interdisciplinary communication and cooperation in developing, promoting, and delivering graduate education in materials science and engineering.

#### GRADUATE EDUCATION

Increase exposure of undergraduate students to the intellectual and professional opportunities and challenges of advanced degrees.

Develop appropriate assessment indicators, criteria, and procedures for improving the quality of all graduate programs.

Provide leadership in national efforts to develop data exchanges on financial support for graduate students.

Study the faculty workload implications of the proposed increase in graduate student enrollments.

Tie increases in graduate student enrollment to the selective enhancement of programs.

Place greater emphasis on routine inclusion of support for graduate assistantships in grant and contract proposals.

**ENGINEERING AND ENGINEERING TECHNOLOGY**

Appoint a task force to review all engineering and engineering technology program proposals from a system-wide perspective, assessing the viability and desirability of each proposal.

Place a hold on all current engineering and engineering technology expansion plans, pending the task force report.

**DIVERSITY**

Assess all current diversity efforts, investigating ways to coordinate them better and avoid duplication in programs and services; special attention should be given to the Office of Minority Admissions and Community Affairs, undergraduate and graduate minority student aid, and retention.

Place greater personal responsibility on deans and other unit executives for achieving Penn State's diversity goals.

**INFORMATION TECHNOLOGY**

Give high priority to the development of Penn State's information technology initiatives.

Plan for technology initiatives on a comprehensive and coordinated basis.

Establish explicit priorities among the funding requirements in the plan being developed by the study group on Penn State's telecommunications infrastructure.

Give high priority to the University Park telecommunications expansion and improvement project in the current state capital budget request.

**TEACHING RESPONSIBILITY FOR ALL FACULTY**

Expect every individual with faculty rank, including administrators and holders of special chairs and professorships, to teach at least one course or its equivalent each year.

**FACULTY AND STAFF QUALITY**

Give high priority to salary increases, with special attention to merit.

Give high priority to increasing the number of tenure-track faculty positions at Penn State.

Appoint a joint faculty/administrative task force to review Penn State's promotion and tenure policy focusing on the multiple levels of review required.

Implement policies and procedures for making staff appointments of less than 12 months and less than the 40-hour work week where appropriate.

Develop a more active professional development program for staff.

Update the assessment of Penn State's child care needs.

Intensify college, campus, department, and support unit efforts to create a faculty and staff reflective of the diversity of the Commonwealth and the nation.

**ASSESSMENT**

Reaffirm responsibility for assessment at the unit level.

Develop performance criteria and quality indicators, including longitudinal measures of progress, as part of the unit strategic planning process.

Collect comparison data at the unit level.

Ensure comparability of data used for assessment, and provide leadership for other institutions, departments, and programs with regard to developing quality indicators and establishing cooperative data exchanges.

Use assessment data as a foundation for continuous quality improvement.

**"THE COMMITTEE**

**BELIEVES THAT BY STRENGTHENING**

**INTERDISCIPLINARY INITIATIVES**

**IN THE LIFE SCIENCES,**

**ENVIRONMENTAL PROGRAMS,**

**AND MATERIAL SCIENCE,**

**THE UNIVERSITY CAN TAKE**

**A NATIONAL LEADERSHIP ROLE**

**THAT WILL INFLUENCE LIFE**

**SIGNIFICANTLY IN THE**

**21ST CENTURY."**



## STRATEGIC FRAMEWORK

**"I**n taking on its budget challenges from a position of strength, Penn State can capitalize on many opportunities that are not available to other institutions of higher education."

### *A Decade of Progress and Growth at Penn State*

#### ENROLLMENTS

increased from 61,761 in fall 1983  
to 70,576 in fall 1992.

#### FUNDING FOR ORGANIZED RESEARCH

increased 171 percent from  
1983 to 1992, rising from  
\$106 million to \$287.5 million.

#### PRIVATE SUPPORT

grew from \$17.8 million in 1983 to  
\$63 million in 1992.

#### TOTAL OPERATING BUDGET

increased from \$610.9 million  
in 1984 to \$1.4 billion in 1993.

#### BELIEFS

Education is the foundation of a prosperous and enlightened society

Scholarship clarifies the past and opens pathways to the future

The University exists to serve society

#### VALUES

Individual creativity and intellectual distinction

The synergism of teaching and research

A cooperative and vigorous collegial environment

The contributions of all cultures to the panorama of human understanding

#### VISION

To be one of the nation's preeminent public universities, offering the highest quality educational experiences

#### MISSION

As a land-grant, multi-campus university serving Pennsylvania, the nation, and the world, Penn State is devoted to learning and service, enlightened by vigorous research and scholarship

#### GOALS

To broaden our national and international prominence

To achieve an acknowledged role and stature as the university most important to the Commonwealth of Pennsylvania

To fulfill the mandates of Penn State's complex mission of education, research, and service with excellence

To create for a diverse University community a supportive environment that reflects the broad expanse of human history and experience

#### STRATEGIES

Increase financial support

Refocus programs and activities

Build on strengths

Enhance quality and diversity of the academic community

Assess and improve

#### RESULTS

Excellent teaching

Cutting-edge research

Effective outreach and service

Outstanding faculty, students, and staff

Motivated and committed academic community

Recognition as one of the best public universities in the nation

#### THE UNIVERSITY FUTURE COMMITTEE

##### HARRY R. ALLCOCK

*EVAN PUGH PROFESSOR OF CHEMISTRY*

##### JULIEN F. BIEBUYCH

*ASSOCIATE DEAN FOR ACADEMIC AFFAIRS,  
COLLEGE OF MEDICINE  
Eric A. Walker Professor and Chair, Department of Anesthesia*

##### JOHN L. BRIGHTON

*EXECUTIVE VICE PRESIDENT AND PROVOST  
Professor of Mechanical Engineering*

##### BARTON W. BROWNING

*ASSOCIATE PROFESSOR OF GERMAN*

##### E. EMORY ENSCOCK, JR.

*ASSISTANT DEPARTMENT HEAD AND  
PROFESSOR OF INDUSTRIAL ENGINEERING*

##### J. D. HAMMOND

*DEAN, THE MARY JEAN AND  
FRANK P. Smeal COLLEGE OF BUSINESS  
ADMINISTRATION  
William Elliot Professor of Insurance*

##### NINA HANAN

*DEPARTMENT OF POLITICAL  
SCIENCE*

##### EVA J. PELL

*DISTINGUISHED PROFESSOR OF PLANT  
PATHOLOGY*

##### GARY C. SCULTZ

*ASSOCIATE VICE PRESIDENT FOR FINANCE*

##### JAMES F. SMITH, JR.

*PROFESSOR OF ENGLISH AND AMERICAN  
STUDIES*

##### JAMES B. STEWART

*VICE PROVOST FOR EDUCATIONAL EQUITY  
Professor of Labor Studies and Industrial Relations*

##### SUSAN WELCH

*DEAN, COLLEGE OF THE LIBERAL ARTS  
Professor of Political Science*

#### STAFF SUPPORT

##### P. Richard Althouse

*Budget Officer of the University*

##### Stephen R. Curley

*Staff Assistant to the Executive V.P. and Provost and Financial  
Officer*

##### G. Gregory Loxler

*Executive Director of Planning and Analysis*

##### William M. Mahon, III

*Director, Public Information*

# University Park Calendar

May 27 — June 13

## SPECIAL EVENTS

**Friday, May 28**  
Stone Valley Recreation Area and The Nittany Kickers, 7-11 p.m., Civil Engineering Lodge. Music by The Rock Rangers. Tickets sold in advance only. Call 863-0762.

**Sunday, May 30**  
Shaver's Creek, 5 p.m. Hummingbirds: The One-Tenth Ounce Wonder.

**Tuesday, June 1**  
Shaver's Creek, 12:30 p.m. Life Without Legs.

**Friday, June 4**  
Shaver's Creek, 8 p.m. Owl Prowl.

**Saturday, June 5**  
Shaver's Creek, 3 p.m. Native American Series: Hoop and Spear.

**Wednesday, June 9**  
Special Olympics, through June 13. Classes begin (8 week session)

**Diversions, 7:30 p.m., Schwab Aud. Jim Hancock and Susan Zeder on "Inner Sources for Cut-Write Expression."**

**Thursday, June 10**  
Diversions, Music at Noon, Fisher Plaza. Andrew Jackson—Jazz.

**Diversions, 3:30 p.m., Fireside Lounge, Nittany Lion Inn. Colin Goodall on "Lupines and Images."**

**Friday, June 11**  
Diversions, Music at Palmer Piazza, 7 p.m. Bavarian Stompers—Polka, Waltzes. Creamery Ice Cream available.

**Saturday, June 12**  
Shaver's Creek, 10 a.m. Aquanauts.

**Sunday, June 13**  
Shaver's Creek, 2 p.m. Central Pennsylvania

Civil War Soldiering.  
Film Festival, 7:30 p.m., Carnegie Cinema.  
"Firms of Indigenous Peoples." Billy Mills on "Running Brave."

State, 12:30 p.m. Thursday.

J. Horner, chair; E. Loop, coordinator.  
Occupational Safety and Health Institute, 95 attendees, Days Inn, through May 28. D. Hinde, chair; C. Herd, coordinator.

**Friday, May 28**  
East Coast Volleyball 1993, 2,100 attendees, through May 31. E. Perry, chair; R. Maclean, coordinator.

**Wednesday, June 2**  
Forensic Entomology, 25 attendees, Headhouse III, through June 4.

**Thursday, June 3**  
Environment, Culture and Food Equity, 150 attendees, Keller Conference Center, through June 6.

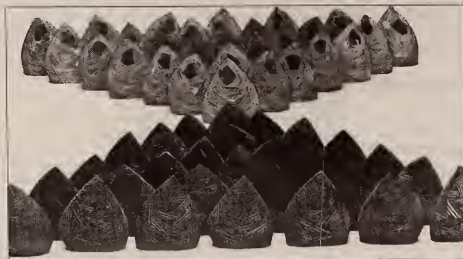
## SEMINARS

**Wednesday, June 2**  
■ Agricultural and Biological Engineering, 11 a.m., 224 Ag. Eng. Bldg. James B. Houlihan on "Farm Safety Programs in Australia."

**Exhibits**  
Zoller Gallery:  
Crafts National 27, June 6 through July 25.  
Rare Books Room:  
"Figures of the Body, 1300-1660," through June 1.

## TIPS

**Information Penn State**  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University International—456.  
■ Reflects an international perspective



An exhibition of clay works by Monika Modest is being held in Pattee Library's East Corridor Gallery until June 30.

## PUBLIC RADIO

**WPSU-FM 91.1**  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.  
"Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn

## CONFERENCES

**Thursday, May 27**  
University Photographer's Association, 60 attendees, Nittany Lion Inn. J. Lukens, chair; W. Sterner, coordinator.  
Leadership Training Program, 85 attendees, Nittany Lion Inn. B. Hartman, chair; C. Andersen, coordinator.  
Managing the Global Enterprise Program, 35 attendees, Nittany Lion Inn, through May 28. J. Mencher, chair.  
Advanced POLEX, 28 attendees, Nittany Lion Inn, Best Western, through May 28.

## Bookstore

Continued from Page 1

impressive system." Barnes & Noble College Bookstores is a separately operated part of the family of retail companies founded by Chairman Leonard Riggo. Other operations include Barnes & Noble, Inc., and Software, Etc. (a publicly held-company that operates consumer software stores).

Barnes & Noble, Inc., the nation's largest trade book-selling operation, is widely recognized as a prominent group of retail booksellers, including Barnes & Noble, B. Dalton Booksellers, Bookstop, Doubleday, and Scribner's.

"What impressed the committee studying this was the commitment Barnes & Noble College Bookstores has had over the last 25 years to professional management, superior service, quality merchandise, and innovative store design," Mr. Wagner said. "The company has continued to introduce new ways—such as computerized book ordering—to improve bookstore operations for the students and

faculty members it serves.

"It's also very clear to us that Barnes & Noble values its employees. We believe that current bookstore staff will enjoy improved professional development and career opportunities under Barnes & Noble management."

Advantages for University students and faculty will accrue from Barnes & Noble's increased buying power, as well as higher level of service, a greater range and variety of inventory, and "a more exciting atmosphere for our stores than anything our current financial structure will allow," Mr. Wagner said.

The transition process began May 25 with five objectives to be met by June 28, Mr. Kahn said:

- orient the top management of Barnes & Noble to Penn State;
- introduce Barnes & Noble to University Bookstore employees to answer their questions and reduce any anxieties;
- begin the training process of all store managers and department heads to ensure a smooth operation upon the change of management;

—ensure that all fall semester textbook and general merchandise orders are placed on a timely basis; and

—plan and execute the inventory process in a controlled, documented and orderly manner.

"This transition plan is our highest priority over the next several weeks, and it will involve more than 30 of Barnes & Noble's top executives, home office managers, field managers, and some of our most experienced store managers," Mr. Kahn said.

"We began the process of meeting with each individual member of the University Park Bookstore staff on May 26," Mr. Kahn added. "We'll begin individual meetings with all employees at the Commonwealth Campuses on Tuesday, June 1."

All stores in the Penn State Bookstore system will close for inventory at noon Friday, June 25, and will remain closed all weekend. They will reopen, under Barnes & Noble management, on Monday, June 28.

## PENN STATERS

Richard E. Tressler, professor and head of the Department of Materials Science and Engineering, is serving as president of the American Ceramics Society.

Julianne Turner, assistant professor of educational psychology, has received the University of Michigan's Best Dissertation in Educational Studies Award for her dissertation titled "Situating Motivation in Literacy Instruction."

Merwin L. Weed, professor of engineering at the Penn State McKeesport Campus, has received a Centennial Certificate in recognition of his exceptional contribution to the American Society for Engineering Education and the profession of engineering.

Steven Mark Wilkins, a member of the Nittany Lion Inn staff, was honored by the Bellefonte Area Jaycees in recognition of being named Jaycees International Senator #51220, an elite group of Jaycees recognized for the contributions to their community and service to their chapter, as well as for personal growth during their Jaycee career.

Wilber Zelinsky, professor emeritus of geography, has been appointed Guest-Scholar at the Woodrow Wilson International Center for Scholars in Washington during July and August. He will carry out research on the recent ethnic geography of the United States.

## Multi-phased program to make University more accessible to those with disabilities

Installing text telephones compatible with hearing aids in high-use public areas and a self-study on the accessibility of campus facilities are only two initiatives in a multi-phased University-wide program now under way to make Penn State more accessible to students, faculty and staff with disabilities, Trustees have learned.

In an informational report on affirmative action initiatives,

**About 43 million Americans are estimated to have disabilities, and that number will increase because of declining death rates and improved medical care for accidents and illness.**

Bonnie P. Ortiz, affirmative action director, gave the Board an update on actions that the University is taking to be more accommodating to employees, students and visitors with disabilities and to comply with the regulations in the Americans with Disabilities Act.

"Many people with disabilities have the skills and training to do good work but are unemployed or under employed because the workplace is inaccessible," Ms. Ortiz said. "Making it possible for people with disabilities to become productive members of our society, and for our current employees who become disabled to continue to perform their jobs, is sound business practice."

About 43 million Americans are estimated to have disabilities and that number will increase because of declining death rates and improved medical care for accidents and illness. The cost of public and private disability benefit programs is rising, and is expected to reach \$200 billion by the year 2000.

Penn State has been complying with the program accessibility requirements of the Rehabilitation Act of 1973 since its enactment and has increased its activity since the ADA legisla-

tion was passed in 1990. Brenda Hameister in the Office for Disability Services has been working to ensure that students and employees with disabilities have access to University programs. About 968 currently enrolled students have disabilities.

In addition to curb cuts, elevators, ramps, electric door openers and accessible bathrooms, the University provides in-class assistance in the form of readers, interpreters and laboratory assistants; and students with visual impairments are notified on construction and other barriers in the routes they regularly travel.

In the area of employment, the University has revised its application forms, and positions are being defined by their essential functions so that those with disabilities can more easily apply for positions that, with reasonable accommodation, they are qualified to perform. In addition, more than 500 Penn State employees have attended training sessions on provisions of the ADA legislation.

Most recently, the Office of Telecommunications has completed work on making public telephones compatible with hearing aids. Text telephones are now in place at public telephones in such high use areas as the Keller Conference Center, Beaver Stadium, Recreation Building, Eisenhower Auditorium and Kern Graduate Center as well as in high use areas at several other University campuses.

Also now in progress is a pilot study of accessibility in The Small College of Business Administration, which will help streamline a self-study University-wide. Representatives from University Safety, Physical Plant, Facilities Resources, Human Resources, Affirmative Action and the Office for Disability Services will work with teams of faculty, staff and students, and employees or students with disabilities in each of the University units to identify problem areas, establish priorities and design a transition plan to achieve accessibility.

"In the long run, the self-study may be the most important access tool of all because it will extend an awareness and understanding of disability issues to the hundreds of employees and students who will be involved," Ms. Ortiz said. "We all will learn more about the many ways in which reasonable accommodations can be made to allow persons with disabilities to function successfully in classrooms and in the workplace."

## Name changes of intercollege programs okayed by board

The Board of Trustees has approved a change of the names of two Intercollege Research Programs. The Materials Research Laboratory will become the Intercollege Materials Research Laboratory and the Center for Particulate Science and Engineering will become the Particulate Materials Center.

The Center for Particulate Science and Engineering serves the research needs of industries involved with products made up of particles. Its faculty from the colleges of Agricultural Sciences, Engineering, Science, and Earth and

Mineral Sciences provide a broad range of expertise.

The center focuses on six major areas of research, each with its own core facility and specialized laboratories: powder mechanics; processing and handling of particulate systems; nanoparticle synthesis; consolidation and superplastic deformation; physics and chemistry of particle surfaces; designed synthesis of particles; and the development and use of advanced particle characterization techniques.

The Materials Research Laboratory is the focus of interdisciplinary studies in

the fields of materials science and engineering. Currently MRL has a core of faculty from several departments and colleges who often are aided by visiting international scholars. Major research projects at MRL focus on diamonds and related materials, dielectric, piezoelectric and ferroelectric crystals and ceramics; cement and concrete, and other chemically bonded ceramic systems.

The name-change requests stem from the changes associated with the creation of the Materials Research Institute Advisory Board in January 1992.

## Architect for HUB lot project appointed

The Board of Trustees has approved the appointment of an architect for the construction of a parking terrace at the Hetzel Union Building on the University Park Campus.

The firm of Ewing Cole Cherry of Philadelphia was selected to design the proposed HUB parking terrace. The architects also designed the Eisenhower Parking Deck, which opened in summer 1992 with more than 800 spaces.

Currently, the HUB parking lot accommodates 344 cars. The addition would increase the total parking spaces available on the site by up to approximately 200 spaces. These spaces are required to replace the parking spaces that have been or will be lost to building construction in other sectors of campus.

"The HUB Parking Terrace will accommodate a growing demand for visitor parking," James Wagner, vice president for business and operations, said.

The new terrace is part of a five-year University parking development plan prepared by the University Parking Committee consisting of faculty, staff and students. The new structures are funded by parking fees.

Currently, the Keller Parking Terrace is under construction and is expected to be completed in September. This will accommodate more than 640 cars, replacing the parking spaces that have been or will be lost to construction in the northwest sector of campus.

In addition, Trustees approved final plans and authorized the University to obtain bids and award contracts for the construction of Parking Lot 43 near Graduate Circle. The new lot, which will accommodate approximately 750 cars, is intended to replace spaces lost to the construction of the Bryce Jordan Center and provide long-term parking for many off-campus students.

## Research Park buildings receive names to reflect uses

The three core buildings of Penn State's Research Park have been formally named by the Board of Trustees, marking another step toward the Research Park opening later this year.

The conference center and hotel building has been named the Penn State Scanticon, which clearly identifies both the owner and the operator of the facility.

Scanticon is an international corporation with headquarters in the Princeton Forrestal Center that specializes in the development and management of conference center hotels and resorts. Penn State's five-story conference center and hotel will have 144,000 square feet devoted to conference facilities for educational conferences, meetings and banquets, as well as a 150-room hotel.

In addition, the Board also gave the 50,000-square-foot research laboratory and the 53,000-square-foot technology center names that reflect their intended uses. They will be called the Materials Research Institute Building and the Technology Center, respectively.

The Materials Research Institute, currently in Barbara II building on North University Drive, will move to

the new building as soon as it is ready. The Technology Center will house the offices of the Penn State Economic Development System and a business incubator operated by the Centre County Industrial Development. It is expected to be ready for occupancy in October.



FROM THE TRUSTEES DOCKET

# New department formed from merger of existing two

The Board of Trustees has approved the merger of the Department of Computer Science in the Eberly College of Science and the Computer Engineering program in the College of Engineering into the new Department of Computer Science and Engineering.

Building on existing strengths, the merged units will form a critical mass of activity in the computation and information sciences area. The consolidation will provide a set of cohesive academic programs that will serve students well and increase collaboration between software and hardware aspects of computer science and engineering research to position the University well in national initiatives.

The new department will be jointly administered by the Eberly College of Science and the College of Engineering.

Also, Trustees approved the transfer of the religious studies program to the Department of History in the College of the Liberal Arts.

The undergraduate religious studies major will continue to be offered through the Department of History. The realignment will permit the department to offer graduate courses in this area as well. The

department already houses the Jewish Studies Program in linguistics.

In addition, the Trustees heard the changes in the following undergraduate programs:

- Drop of the entomology major and the plant science major in the College of Agricultural Sciences. The college will be developing a broader-based plant management curriculum, where entomology along with other disciplines will be focused.

- Drop of the major in management information systems in The Smeal College of Business Administration. A new minor in MIS, which will be available to students in other majors within and outside the college, is being developed.

- Addition of a minor in polymer science in the College of Earth and Mineral Sciences. The field of polymeric materials has grown tremendously over the past 20 years with many employment opportunities.

- Drop of the major in home economics education in the College of Education. A decline in student enrollments and a decrease in the number of

faculty have affected the program.

- Drop of the majors in linguistics, medical anthropology, public service (B.A. degree), social work and world literature, all in the College of the Liberal Arts. The minor in comparative literature also has been dropped.

Among the contributing factors, the majors in linguistics, public service and social work have been affected by very low enrollments. The medical anthropology major has no declared majors currently and no directing faculty due to several retirements. The world literature major and the minor in comparative literature have been dropped due to curricular changes in the Department of Comparative Literature. The minor in world literature and the major in comparative literature will continue to be offered.

The following changes in graduate programs were reported to the Trustees:

- A change in the requirements for the M.B.A. degree in The Smeal College of Business Administration. The changes will better prepare the students for a new national and global business environment by eliminating core courses from

the second year and encouraging faculty to offer tracks during the time.

- A change from the M.A. degree in mass communications to an M.A. degree in media studies in the School of Communications. The change more accurately reflects the current field of study.

- Addition of a minor in gerontology in the College of Health and Human Development. The interdisciplinary graduate minor is designed to allow students from all disciplines to study older adults and the processes of aging.

- Drop of the M.A. degree in linguistics in the College of the Liberal Arts. The college plans to create a Center of Linguistics which will provide instruction and research expertise on language for students while eliminating duplication by discontinuing the linguistics program.

- Addition of a doctoral minor in linguistics in the College of the Liberal Arts. The college will develop a minor in linguistics to provide doctoral students an opportunity to complete a program of scientific study focused on the nature, structure and use of human language.

# Seven elected to serve on 32-member Board of Trustees

Penn State alumni and delegates of agricultural and industrial societies re-elected six incumbents and one newcomer to serve on the Board of Trustees, during elections held Thursday, May 13, at the University Park Campus. All will serve a three-year term beginning July 1.

Re-elected by Penn State alumni were H. Jesse Arnette, senior partner with the San Francisco-based civil litigation and public finance law firm of Arnette & Hastie, a member of the Board of Trustees since 1969.

— Mary Greeley Beahn, labor relations specialist for Westinghouse Electric Corporation in Pittsburgh, a trustee for three years.

— Joel N. Myers, founder, president and chairman of the board of Accu-Weather Inc., and a trustee for 12 years.

Re-elected by the agricultural society delegates were:

— David A. Morrow, a consulting veterinarian and owner-manager of Archer Spring Farm in Tyrone, a trustee since 1987.

Newly elected by the agricultural society delegates was:

— Gordon Hiller, a retired farmer, former regional director in the Williamsport area for the Pennsylvania Department of Agriculture, and current Pennsylvania State Extension Master. He replaces William H. Ringle, who did not seek re-election.

Re-elected by the industrial society delegates were:

— Bernard Hankin, president of Bernard Hankin Builders, Exton, and a trustee since 1984.

— William A. Schreyer, chairman of the board of Merrill Lynch & Co. Inc., who was named to the Board of Trustees in 1986 by Pennsylvania Gov. Dick Thornburgh.

Mr. Arnette, who was recently elected vice president of the Board of Trustees, is a 1955 graduate of Penn State. While at Penn State, he was president of the student body, a member of the Lion's Paw and an All-American in football and basketball. He is a 1966 graduate of Dickinson Law School and has been admitted to practice before the U.S. Supreme Court, the Pennsylvania Supreme Court and the California Supreme Court.

Mr. Arnette is a life member of the National Bar Association and a member of the American Bar Association and its international law, tort and products liability law, and business/litigation sections.

He serves on the boards of directors of the World Affairs Council; the World Center; the Wells Fargo and Co., parent company of Wells Fargo Bank; Waste Management Inc.; Florida Power and Light; and the San Francisco Opera Board. He is past-president and co-founder of the Penn State Renaissance Fund and is a life member of the Penn State Alumni Association. He also serves as a member of the National Development Council, the University's top voluntary fund-raising organization.

Ms. Beahn first elected to the board in 1990, served as a member of the board's executive committee. A 1981 and 1987 graduate of Penn State with a B.A. from the College of Health and Human Development and a master's degree in business administration, respectively, she also served as a trustee, appointed by the Governor, while a graduate student.

At Penn State, she was president of Graduate Women in Management and a member of the University Student Executive Council, the Committee for Excellence in Education, Kappa Delta Rho, the Graduate Student Association

and the MBA association. She also was a research and teaching assistant in the Department of Organizational Behavior, and is a life member of the Penn State Alumni Association.

Mr. Myers is a member of the Board of Trustees executive committee and is vice-chair of the Educational Policy Committee. He holds three degrees from Penn State and served on the University faculty from 1964 to 1981.

A meteorological expert, he has developed Accu-Weather from a small group of Penn State graduates to the nation's largest and best-known private weather service providing forecasts to clients in 48 states and 124 foreign countries from its offices in State College.

Mr. Hiller, holder of the highest office of the State Grange — a 33,000-member rural organization, is a retired conservation program specialist for the Department of Environmental Resources, past chair and director of the Lyscoming County Conservation District, and a Grange member for 50 years.

He also served as chairman of the Old Lyscoming Township Planning Commission, past chair of the Lyscoming County Agriculture Conservation Coalition and former member of the State Grange executive committee, and coordinator of its leadership/membership program.

Dr. Morrow, who earned a bachelor of science degree from Penn State in 1956 and received his D.V.M. in 1960 and Ph.D. in 1966 from Cornell University, is a former professor of large animal clinical services at Michigan State University.

A farm owner-manager, he currently is president of the Penn State Alumni Association and has served as vice president and as a member of its executive

board. He is the recipient of the Borden Award of the American Veterinary Medical Association and the American Feed Manufacturer's Veterinary Medical Research Award, as well as six teaching awards.

Mr. Hankin received a B.S. in civil engineering from Penn State in 1943, and earned a certificate in soil mechanics from Harvard Graduate School in 1944, and is president of a company specializing in residential construction.

He is past chairman of the Industrial and Professional Advisory Committee of the Civil Engineering Department and a member of the Mount Whitney Society. In 1984, he was named an Outstanding Engineering Alumni and in 1988 was honored as an Alumni Fellow in the College of Engineering.

Mr. Schreyer, who currently is serving as chairman of the Board of Trustees, was elected vice president of the board in 1991. A 1948 graduate of Penn State, he is an Alumnus (1979) and an Alumni Fellow (1983), and served seven years as national chairman of the Campaign for Penn State — which raised \$352 million for academic programs.

In addition, he is a member of the Board of Visitors for The Smeal College of Business Administration. He and his wife, Joan, established the William A. Schreyer Libraries Endowment and the William A. Schreyer Chair, both in Global Management Policies and Planning in The Smeal College. The Schreyers also former professor of the Chair in Jewish Studies at Penn State.

The Board of Trustees has 32 members: five ex officio, nine elected by alumni, 12 elected by delegates of agricultural and industrial societies, and six appointed by the governor.

APPOINTMENTS

Michael Conti has been promoted to operations manager at the Nittany Lion Inn.

In his new role, he will be responsible for human resource development, staff training and orientation activities. He also will assume the duties of personnel representative, while continuing to have full responsibility for the Food and Beverage Department.

Mr. Conti joined the Inn staff in 1992 as food and beverage manager and director of catering. He previously was employed by Conti Cross Keys Inn in Doylestown for more than 12 years, serving as banquet manager, reservations manager, personnel manager, food and beverage manager and vice president of operations.

In addition, he founded Conti Inn Famous Cheese Spread Inc., a cheese manufacturing, packaging and distribution company.

Mr. Conti received a bachelor's degree in speech communication from Penn State in 1979. He is a member of the National Restaurant Association.

Elsie D. Diduch has been named director of the new child care center at Penn State Erie, The Behrend College.

Prior to her appointment, Ms. Diduch was an education program specialist for the Child Development Center at Maryland's Fort George G. Meade, providing training and development for a staff of 65 serving 285 children. In addition to guiding staff through the U.S. Army Child Development Services

Caregiving Personnel Training Modules, she conducted training workshops on various topics, including early childhood development, observing and recording skills, outdoor learning activities, effective communication techniques, and positive guidance strategies.

She also designed a comprehensive program for infant and toddler care

and developed appropriate programming for children with disabilities. For four years she served as center director, overseeing overall operations for the center and its six buildings.

She has taught pre-school at Fort George G. Meade and first grade in Newbury, Ohio, a Department of Defense school in Frankfurt, Germany, and at The International School in Bangkok, Thailand. A graduate of Waynesburg College, Waynesburg, Pa., she earned her master's degree in child care and preschool administration from Nova University, Ft. Lauderdale, Fla.

Mary M. Dupuis, acting director of academic affairs at the Penn State DuBois Campus, has been appointed director of academic affairs at the campus.

"I am delighted to announce this appointment because Mary had been doing a fine job as acting director," Robert Dunham, senior vice president and dean of the Commonwealth Educational System, said.

"The campus will benefit greatly from her administrative experience and her dedication to the University community. Her nationally recognized achievements in the field of teacher education also will enhance the campus community."

Dr. Dupuis was appointed acting director of academic affairs in 1992. Between 1989 and 1992, she served as director of teacher education for the College of Education, and, beginning in 1990, as associate dean for undergraduate programs.

She joined Penn State in 1967 as an instructor in secondary education and was named an assistant professor in 1971. Becoming associate professor in 1979, she was promoted to full professor in 1985. Between 1983 and 1988, she served as coordinator of secondary education for the College of Education.

In 1988, she was an administrative fellow for the Office of the Senior Vice President for Finance and Operations, and then professor-in-charge of the Reading, Communication and Language Education Program for the College of Education. In 1985, she organized the Research in Teacher Education Committee, which she still chairs.

Active in a variety of administrative and community organizations, Dr. Dupuis received the MacKay Donkin Award, a University award honoring her contributions to the well-being of the Penn State community, and the Barash Award for community service in 1983.

A member of the University Faculty Senate for the past 10 years, she served as chair of the Commission for Women in 1990-91 and was a member

of the Strategic Study Group on the Status of Women. She continues her work to improve the status of women through the New Agenda Committee of the Commission for Women and the newly established Women's Athletic Committees.

Dr. Dupuis received a B.A. degree from George Washington University, an M.A. degree from Purdue University and a doctorate from Penn State.

Alice M. Jones has been appointed coordinator of Penn State's Allegheny County Educational Opportunity Center located at the Penn State McKeesport Campus. Ms. Jones earned a B.A. in social and behavioral science and will receive her master's degree in education this summer, both from Penn State. She brings to her new position diverse experiences

provided through her work as counselor at Community College of Allegheny County, Womenspace and other community-based organizations.

Ina K. Lubin, has been appointed director of continuing education at the Penn State Wilkes-Barre Campus.

Ms. Lubin, who has worked for Penn State since 1983, most recently as assistant director of continuing education, received her bachelor's degree in education at Michigan State University and her master's degree in public administration from Marywood College.

A graduate of Leadership Wilkes-Barre, she has been active in the community as an officer of the League of Women Voters, a member of the board of Visiting Nurse Association/Home Health Services, and on major committees for the United Way and Chamber of Commerce. Formerly, she taught for seven years in the Penn-Delco School District near Philadelphia.

Her professional memberships include the National University Continuing Education Association, the Continuing Education Association of Pennsylvania, and the Luzerne County Council on Adult Higher Education.

Carol Meek, assistant to the director of academic affairs at the Penn State McKeesport Campus, has been appointed administrator in charge of the Women in Science, Engineering and Technology and Women in Telecommunications Technology programs at the campus.



Mary M. Dupuis



Ina K. Lubin



Elsie D. Diduch

PRIVATE GIVING

Campaign for the Library receives another \$100,000

The Metropolitan Life Foundation has given \$100,000 to the Campaign for the Library in honor of Robert G. Schwartz, a Penn State graduate of the class of 1999.

The funds will be directed toward Penn State's student computer laboratory, which will be named in recognition of Mr. Schwartz and the foundation's gift.

Mr. Schwartz retired as president, chairman of the board and chief executive officer of Metropolitan Life Insurance Co. on April 1. He had worked for the insurance giant for 44 years. He will continue his association with the company by serving on its board of directors.

"This gift is a wonderful tribute to

Bob's long and successful leadership of Metropolitan Life, and a great boost to our fund-raising efforts," said Head Football Coach Joe Paterno, chairman of the campaign. "I'm very pleased that my good friend will be permanently honored in this way."

The \$10 million Campaign for the Library was launched publicly last November and is scheduled to conclude Dec. 31 of this year. Private gifts will be combined with \$14.8 million in state funds to build a multistory addition to East Pattee and to renovate the interior of the existing complex of buildings. So far, approximately \$5.7 million in gifts and pledges has been received.

Mr. Schwartz graduated from Penn

State with a degree in commerce and finance. He later received an M.B.A. from New York University.

New York City-based MetLife is the second-largest life insurance firm in the nation with \$150 billion of assets under management. Mr. Schwartz became chief executive officer in 1969 and was known for championing a prudent investment philosophy and tight controls on expenses.

He has received a number of honors from Penn State, including the Business Administration Alumni Achievement Award (1979), the Distinguished Alumnus Award (1983), and was named an Alumnus Fellow in 1985. He is a member of the University's National Development

Council and serves on The Smeal College of Business Board of Visitors.

He and his wife, Caroline, have been generous contributors to Penn State. They established the Robert G. Schwartz University Endowed Fellowship in Business Administration and also have made a commitment to establish two professorships in The Smeal College.

Mr. Schwartz was born in Czechoslovakia in 1928. His family emigrated to the United States in 1929, and he became a naturalized citizen in 1935. While a student at Penn State, his hometown was Doylestown.

# Focus on Research

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## Years of Evolution at Risk



In a nation roughly the size of Pennsylvania, a lake teeming with creatures that have yet to be discovered is being overused and overfished — while species not yet known to man are quietly disappearing from the face of the earth

For nearly a decade, a Penn State scientist has been identifying African fish species in an effort to understand the spread of a disabling disease and protect some of the world's most exotic creatures.

Jay Stauffer, a professor of ichthyology, has managed to describe 12 species found in Lake Malawi — a 370-mile long body of water near Mozambique that harbors more freshwater species than all the waters of North America.

"This is one of the greatest examples of biological diversity on earth, but it is being overfished," Dr. Stauffer says of the lake found in the southern reaches of Africa. "Ninety-eight percent of the fish found in this lake are endemic; they exist here and nowhere else in the world."

The fish in Lake Malawi are not only a food source, providing the 8 million people of Malawi with 70 percent of their animal protein, but are also popular with aquarium enthusiasts because of their brilliant hues of blue, purple, orange and gold. They are considered unique by scientists because of the unusual behavior some species display — like the ability to change sex, carry their young in their mouths, and play dead to capture unsuspecting prey.

The fishery scientist said years of evolution are threatened because these fish have not been identified and there is currently no way to keep track of fish stock. Dr. Stauffer and colleague Tom Kocher, from the University of New Hampshire, received a grant from USAID to provide the people of Malawi with a system for identifying and saving this natural resource in the most southerly of Africa's great lakes.

In addition, Dr. Stauffer, Ken McKaye from the University of Maryland and Sosten Chiotha from the University of Malawi have discovered a species of fish in Lake Malawi that is key to decreasing the incidence of schistosomiasis, a debilitating parasitic disease that is second only to malaria as the most common affliction in Africa.

Schistosomiasis is caused when parasites carrying the disease burrow under the skin of humans, infecting the bowel and bladder. Eggs from the parasite are released whenever Malawians urinate or defecate in the water. The hatched eggs then burrow in

snails and reinfect humans who enter the water.

The problem of schistosomiasis spread when the government encouraged the expansion of aquaculture ponds in the interior of the country. There, snails flourished and so did the disease. More than 600 million people worldwide are affected by the condition that causes lethargy, and if left untreated, can lead to death.

The researchers were able to identify a snail-eating species of fish in Lake Malawi — *Trematocranus placodon* — and introduce it into the aquaculture ponds. The introduction of this fish species has led to an 80 percent drop in the snail population in those ponds. Although no statistics are yet available on the incidence of schistosomiasis, Dr. Stauffer believes a significant decline will be evident.

The research team, which includes Drs. Stauffer, Kocher, McKaye and Nancy Bowers, a Penn State graduate student, have already set up a genetics lab to help identify species and an aquatic museum for preserved specimens to serve as a reference collection for Malawians. The fishery scientists have been identifying fish by analyzing their morphological characteristics through computer-aided shape analysis.

A television camera captures the image of a fish on video and freezes it on a monitor. A computer "mouse" is used to connect predetermined landmark points on the fish, such as snout to eye or snout to tail. The connection of these points builds a truss network around the fish image that allows researchers to determine whether the fish is a new or existing species.

Scientists also study the behavior, count the scales, the number of spines and any other characteristics that can help quantify the species. Malawians will soon be provided with this advanced technology so that they can begin to keep track of their vanishing resources.

"The people of Malawi realize that something must be done and this is a system that will be the first step toward properly managing their fisheries and determine what is a sustainable harvest," Dr. Stauffer said.

— Lisa M. Rosellini



Jay Stauffer looks over tanks of fish from Malawi

Photo: Greg Grieco

# Alumnus and wife pledge total of \$15 million to University

Penn State alumnus **William E. Leonhard** and his wife, **Wyllis**, have boosted their commitment to the University from \$11.5 million to \$15 million.

Included in the increase is \$1.5 million to endow a faculty chair in aerospace engineering. The **Richard Leonhard Chair** will honor the couple's son, **Richard W. Leonhard**, who received a bachelor's degree in aerospace engineering from Penn State in 1966 and is now president of Los Angeles-based **Southwestern Industries**.

**William E. Leonhard**, a 1936 electrical engineering graduate of Penn State, spent 14 years in the Army Corps of Engineers, then 14 years in the United States Air Force, retiring as brigadier general and chief of staff of the Air Force Systems Command in 1964. He joined the **Parsons Corp.**, one of the world's largest engineering firms specializing in transportation systems, petroleum and chemical plants, airports, power generation, highways and bridges, and classified military installations, in 1966 and retired as chairman, president and CEO in 1990.

"We are deeply grateful to **Bill** and **Wyllis Leonhard** as they continue to demonstrate their deep commitment to academic excellence at Penn State," **President Thomas** said. "The programs they have chosen to support have a direct impact on the economic and social well being of our society, and the imprint of their generosity will be visible for generations."

In addition to the **Richard Leonhard chair**, the **Leonhards** have designated \$10 million for the **Leonhard Center for Enhancement of Engineering Education**. This amount includes the initial funds the **Leonhards** committed to start the center in 1990. The

**Leonhard Center** was created to enhance the quality and relevance of the undergraduate experience, thereby by attracting outstanding students to engineering careers.

"The total commitment of the **Leonhard family** to



**William E. Leonhard**

In addition to funding a chair in aerospace engineering, the **Leonhards** have designated \$10 million for the **Leonhard Center for Enhancement of Engineering Education**, a chair in engineering, and a chair in education.

our primary educational mission, and their support of faculty development, is extraordinarily thoughtful and forward looking," noted **David N. Wormley**, dean of the College of Engineering. "Their gifts of time, energy and financial support will significantly affect future generations of engineering students."

Also, as part of their total commitment, the **Leonhards** have endowed the **William E. Leonhard Chair in Engineering**, currently held by **Allan D. Pierce**, professor of acoustical and mechanical engineering, and the **William E. Leonhard Professorship in Engineering**, held by **Christopher Wronski**, professor of electrical engineering.

Last year, they announced their commitment—as part of their estate plans—to endow the **D. Joanne Leonhard Chair in Education**, honoring their daughter, a 1968 graduate of the College of Education and now an elementary school teacher in Arcadia, Calif.

"The **Leonhard Chair** will profoundly benefit our college," **Rodney J. Reed**, dean of the College of Education, said. "Such chairs are rare in colleges of education generally and those that do have them are able to attract the best minds in the world."

The **Leonhards** have made funding for the **Richard Leonhard Chair** and additional funding of the **Leonhard Center** part of their estate plans as well.

**William E. "Bill" Leonhard** joined the Corps of Engineers immediately after graduating from Penn State. He served in Europe during World War II. His Air Force career also included service in Europe, the Pentagon, and the United States ballistic missile and space program. He was elected to the **National Academy of Engineering** in 1982 and currently serves on several committees of the academy.

He is a member of the **National Development Council**, Penn State's top fund-raising body, and was named a **Distinguished Alumnus and Alumni Fellow** of the University in 1982 and 1988, respectively.

The **Leonhards** reside in Pasadena, Calif.

## PARTINGS

**William L. Long**, foreman, Warehouse Operations, Office of Physical Plant; from Sept. 24, 1956, to April 1.

**Betty Jane Powley**, staff assistant VII, Coporate Controller; from Feb. 1, 1959, to April 1.

**Edward J. Rusnak**, supervisor, Mineral Processing Lab, Earth and Mineral Sciences; from July 1, 1977, to April 1.

**Dean N. Shuey**, groundskeeper, landscape A, Intercollegiate Athletics; from Jan. 7, 1974, to April 1.

**Sharon M. Smith**, financial counselor, Hershey Medical Center; from Dec. 5, 1977, to March. 21.

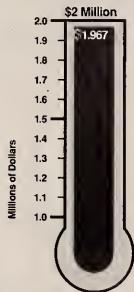
**Lucy M. Williams**, staff assistant VI, in Agricultural Sciences; from Jan. 1, 1962, to April 1.

## CARPOLERS

**Bernie** is looking for a carpool from Phillipsburg to University Park. Work hours are Monday through Friday, 8 a.m.-4:30 p.m. or can work 8 a.m.-5 p.m. Call 863-2133 or 342-6331.

**Ride** wanted from Lewistown to University Park. Work hours are 8 a.m.-5 p.m. Monday through Friday. Call Pat 865-0427.

## Getting closer!



Since July 1992, faculty and staff have committed \$1.96 million in gifts and pledges to various programs University-wide, just shy of the \$2 million mark. If employees reach that goal before June 30, alumni **Bill** and **Joan Schreyer** have promised to donate \$1 million to the Campaign for the Library.

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May 27, 1993  
Vol. 22, No. 32

## PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

**William E. Campbell Jr.**, Editor  
**Lisa M. Rosellini**, Assistant Editor  
**Kathy Norris**, Calendar

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# INTERCOM

June 8, 1993

Volume 22, Number 33

## University's top private fund-raising body elects leaders

Edward R. Hintz, president of the New York investment firm of Hintz, Holman and Hecksher, has been elected chair of the National Development Council, Penn State's top private fund-raising body.

Mr. Hintz, a 1959 graduate of Penn State, had served as vice chair of the council since its formation in 1990. He succeeds William A. Schreyer, chairman of the



Edward R. Hintz

board of Merrill Lynch & Co., who in January was elected chair of the University's Board of Trustees.

The 49-member council elected William Weiss, president of Chicago-based Ameritech, a communications holding company, to succeed Mr. Hintz as vice chair. Mr. Weiss is a member of Penn State's class of 1951.

Re-elected as treasurer was Robert E. Eberly, chairman of the board of Eberly and Meade of Uniontown, and a 1939 Penn State graduate. All three officers will serve two-year terms.

"Ed Hintz has demonstrated an exemplary commitment to Penn State, and his record of volunteer

leadership on behalf of the University is second to none," President Thomas said. "We look forward to working closely with him on a number of projects vital to Penn State's future."

Mr. Hintz headed the recent campaign that raised more than \$20 million in private gifts for the Bryce Jordan Center, now under construction. He also was a vice chair of The Campaign for Penn State, which secured \$352 million in gifts and pledges for academic programs between 1984 and 1990. He currently is a member of the volunteer committee that is leading an effort to raise \$10 million in gifts to help expand

See "Leaders" on Page 3

## University's MBA program ranked national leader

*Business Week* magazine has again placed the University's MBA program among the nation's leaders.

In an article titled "Ivy and Innovation: B-Schools that Try Harder," published in *Business Week's* June 7 edition, Penn State was listed with six other Big Ten schools among the runners-up to the magazine's most recent top 20. It is the third time since 1988, *Business Week* has rated the program, a part of The Smeal College of Business Administration, among the national leaders in its biannual poll.

Of more than 700 MBA-granting institutions in the country, only 268 are accredited and of that select group, *Business Week* rates only 40 schools—15 percent of accredited schools and less than 6 percent of all MBA-granting schools.

The news comes as The Smeal College prepares to make significant changes in its MBA program—ones designed to better prepare students for the business world of the '90s.

"This rating serves as one benchmark in the development of our MBA program," said J.D. Hammond, dean of The Smeal College and the William Elliott Professor of insurance. "We are working hard to meet the needs of our 'customers' and I expect future results to reflect that."

According to *Business Week*, the distinguishing feature of The Smeal College program and other runners-up is "their ability to develop strengths in niche areas and to offer creative touches to the traditional MBA."

Particular Penn State strengths cited

by the magazine in its review and in the newly released book, *A Business Week Guide: The Best Business Schools*, were in communications, business logistics and business-to-business marketing.

Other highlights of The Smeal College MBA program, according to the guidebook, are its standing among the runners-up in student diversity, selectivity and return on student investment in the program.

The magazine rates the country's leading MBA programs every other year, using surveys of customer satisfaction—that of graduates and of the companies which hire them. The alphabetized list of runner-up schools released this week was based on a survey of leading corporate recruiters.

All of the Big Ten's business schools were represented in *Business Week's* 1992-93 roundup of top programs—either in the top 20, published last October, or in the current list.

Fellow institutions cited along with Penn State are Michigan State, Purdue and the Universities of Illinois, Iowa, Minnesota and Wisconsin. Northwest-ern topped last fall's rankings at Number 1, with the University of Michigan 5th and Indiana 8th.

Penn State was one of three Pennsylvania schools singled out by the magazine. The University of Pennsylvania was ranked 4th and the University of Pittsburgh was listed as a runner-up.



**Prelude to summer fun** — Paddle boats are the order of the day — and season — at the University's Stone Valley Recreation Area. Boat and canoe rentals are now in full swing as the summer season approaches.

Photo: Greg Grieco

## Proposals sought for enhancement of undergraduate instruction

One-page proposals are being solicited for the Fund for the Improvement of Undergraduate Instruction, and for the Penn State Fund for Undergraduate Education.

The purpose of both funds is to enrich undergraduate instruction by supporting resources, materials, and events for individual course enhancement, which for budgetary reasons could not otherwise be included. Awards in the range of \$100 to \$1,000 will be made for the 1993-94 academic year.

Courses eligible are experimental courses, and all other new and existing

See "Proposals" on Page 3

## Scholars from various backgrounds descend on University this summer

Seven outstanding scholars, in fields ranging from women of color in higher education to digital signal processing of speech patterns, will participate this summer in the University's seventh annual Scholars in Residence program.

The scholars will teach summer courses and conduct research at the University Park and Allentown campuses. The program is designed to provide opportunities for minority scholars to spend time at Penn State and become familiar with the University's undergraduate education and research programs while enhancing cultural diversity.

"We take great pride in hosting these respected scholars as they teach and perform research on our campuses this summer," Nancy Tischler, director of the Office of Summer Sessions, said. "We hope they will discover our rich academic resources, enjoy interaction with our students and intellectual exchange with our faculty, and experience the cultural and natural beauty of our campuses and summer in Pennsylvania."

The scholars are Houston A. Baker, University of Pennsylvania; Victor F. Coronel, Rockland Community College; Mildred Garcia, Montclair State College; Gladys Lewis, Memphis State University; Tamrat Mereba, Bloomsburg University; Davison Munodawala, University of Akron, and Fernando Peiras, University of Sacred Heart, Puerto Rico.

An Albert M. Greenfield professor at the University of Pennsylvania, Dr. Baker has research interests in Afro-American literature and culture. While at the University Park Campus, he will serve as keynote speaker and conductor of a seminar on African-American literature in the University's Summer Seminar in Theory and Culture titled, "Multi-culturalism in the



Houston A. Baker



Tamrat Mereba



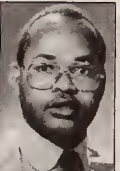
Victor F. Coronel



Fernando Peiras



Mildred Garcia



Davison Munodawala



Gladys Lewis

United States: Putting Theory into Practice."

As Rockland Community College associate professor of engineering, Dr. Coronel has interests in digital signal processing of speech signals and special analysis in magneto mechanics. This summer, he will teach an undergraduate course titled "Fundamentals of Digital Signal Processing."

Dr. Garcia, Montclair State College assistant vice president for academic affairs, has research interests in administration and organization, women of color in higher education and curriculum transformation. While at Penn State she will teach a graduate course titled, "Minority Issues in Higher Education" and serve as visiting research associate in the Center for the Study of Higher Education at the University Park Campus.

Dr. Lewis, Memphis State University associate professor, has research interests in mechanics of materials (creep, fatigue, fracture mechanics, biomechanics and biomaterials). He will teach a course titled "Strength of Materials" at the University Park Campus.

Dr. Mereba, Bloomsburg University associate professor, has research interests in the impact of fiber optics technological advances on broadcast/cable networks and operations. He will teach a course titled "Introduction to Broadcast/Cable Management" at the University Park Campus.

Dr. Munodawala, University of Akron assistant professor, has interests in HIV/AIDS and drug use/abuse prevention among youth and adolescents primarily in sub-Saharan Africa and among African Americans. At the University Park Campus, he will teach a course titled "World Health Promotion" and make a series of guest lectures.

A Sacred Heart University, Puerto Rico, associate professor, Mr. Peiras has research interests in community outreach. He will be involved with community outreach activities at the Penn State Allentown Campus.

## Six named to serve on women's council

Six University women have been chosen to serve on the Coordinating Council of Professional Women, effective July 1. Professional Women at Penn State is a grass-roots group whose participants develop and maintain a communications network and serve as a resource for other Penn State women. The group's Coordinating Council is composed of 10 volunteers who serve two-year terms.

The new Coordinating Council members are Elaine Clement, senior assistant librarian, University Libraries; Robin DeNardo, staff assistant, Intensive English Communication Program, Continuing Education; Caroline Egbell, administrative/engineering aide, Office of Physical Plant/Utilities; Lanora Holler, staff assistant, Department of Molecular and Cell Biology, Eberly College of Science; Mimi Ridenour, writer/editor, Computer and Information Systems, and Sandra Vactor, affirmative action specialist, Office of Affirmative Action.

They will join JoAnn Dornich, assistant manager, Wamock Commons, Housing and Food Services; Barbara Garbrick, human resource assistant, Office of Physical Plant; Kathryn Iunger, chair-elect and administrative assistant, Department of Comparative Literature, College of the Liberal Arts, and Sue Poremba, editorial assistant/Research/Penn State, Senior Vice President for Research and Graduate School.

Outgoing Council members include Tineke Cuning, career counselor, Career Development and Placement Services; Jackie Esposito, assistant university archivist for records management, University Libraries; Judy Pressler, administrative assistant, Department of Accounting, The Smear College of Business Administration; Sherry Walk, assistant to the director for Education 'Abroad program, President's Office/University Office of International Programs; Lisa Wandel, assistant director for food service, Housing and Food Services, and Nancy Wierhite, staff assistant, Associate Dean for Undergraduate Studies, College of Engineering.

For more information about Professional Women at Penn State, contact Kathy Iunger, Department of Comparative Literature, College of the Liberal Arts, University Park, 863-4288.

## Ogontz student project leads to art acquisition

An undergraduate research project at the Penn State Ogontz Campus has resulted in the acquisition of a collection of art pieces that represents Blacks' achievements and culture in Africa and the diaspora.

"Exploring Black Culture and History Through Art," is the title of the proposal submitted by faculty members Valerie Harvell, instructor of Black Studies; Suzanne Stuman, professor of English, and ten Ogontz students, which resulted in a \$2,500 grant to research and purchase artwork which contributes to the understanding of the African/African American heritage.

The students were required to visit numerous art galleries and attend the Black Art Exposition

Conference to select the pieces. A historical/biographical sketch was written for the selected items, which cover a wide variety of historic periods and individuals, including African kings and queens, the middle passage, slavery, the underground railroad, and the great migration. Some works celebrate Black music, dance and family.

In addition to the purchased pieces, four of the galleries—the Lucien, Crump, Hahn and October galleries—contributed works to the project. The total of 17 pieces will be put on permanent display at Ogontz as a tribute to, and a reminder of, the accomplishments and legacy of African/African Americans.

### DIVERSITY BRIEFS

Bobby Pfau, health promotion specialist, Office of Human Resources, will discuss creating a good health environment and maintaining your health during the summer months at the Tuesday, June 29, meeting of Professional Women at Penn State.

The brown-bag lunch meeting will begin at 11:45 a.m. in the Frizzell Room, Eisenhower Chapel, with an opportunity for informal networking.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn Staters.

The group welcomes attendance by both male and female persons in all job and student classifications at the University.

**FACULTY / STAFF ALERTS**

**HealthAmerica update**

When HealthAmerica assumed responsibility for health claim administration for Penn State, the Employee Benefits Division expected a period of adjustment and perhaps, confusion. We continue to meet with HealthAmerica representatives on a weekly basis to advise them of your concerns and to work toward a solution.

Many of you have expressed your concerns and frustrations in discussions with your Human Resource Representative, Director of Business Services, or by phone or letter to the Employee Benefits Division and for that we thank you. Your comments provide HealthAmerica with a basis for action and should enable them to provide the quality of service that we all expect.

In March, Chip Merkle, president of HealthAmerica, wrote to University faculty and staff. He acknowledged their processing delays and promised to add to their staff to improve service and turnaround time. Additionally, HealthAmerica is redesigning the Explanation of Benefits form to make it easier to understand. By mid-June HealthAmerica will have added additional incoming phone lines to make it easier to contact them.

We will continue to work closely with HealthAmerica to represent the concerns of all faculty and staff. Thank you again for freely express-

ing your thoughts and, most of all, thank you for your patience.

**Library re-registration**

In July the University Libraries will purge its patron database of inactive accounts in order to reduce the size of the database and keep it current.

If you have not borrowed library materials in the last two years and do not owe any fees for overdue materials, you will need to re-register after July 1 or borrow materials from any library on the University Park Campus between now and July in order to continue your borrowing privileges and access the databases in LIAS.

Registration cards are available at any of the circulation desks in the libraries on the University Park Campus, CES locations, Penn State Harrisburg, and Penn State Erie, The Behrend College.

**Penn State Retreat #2**

This second in a series of "Professional Approaches to Taking Charge in the 90's" is being presented by the Human Resources Development Center, Office of Human Resources, from 9 a.m. to 4 p.m. Wednesday, June 16, in the Nittany Lion Inn on the University Park Campus.

Morning sessions include "Climbing the Career Ladder: Strategies and Tips on Planning Your Career," presented by Timkeke Cunning and Diane Resides;

"Understanding Sexual Harassment and Gender Discrimination: Know Your Rights and Responsibilities," presented by Bonnie Ortiz.

The keynote luncheon speaker will be Nancy Herron, director of academic affairs, at the Penn State McKeesport Campus.

Afternoon sessions are "Resume Planning and Interviewing Skills: Learn Pointers From Someone Who Examines Resumes and Interviews on a Daily Basis," presented by Cindy Campbell and Jeri Galaidd; "Enhancing the Ever-Changing Balancing Act for Women in the 90's: Rewards of Self-Investment," presented by Bobby Pfau.

See HRDC Spring '93 Course Schedule or call 865-8216 for more details.

**Purchasing changes**

Due to some recent changes by federal auditors in purchasing documentation requirements, there will be some procedural changes required by Purchasing Services. These changes will not be noticed for all orders but larger dollar value standing orders and sole source procurement will require additional documentation. Please allow for additional processing time and requests for added sole source documentation for some of your requirements.

**Volunteers being sought for dietary study**

Male and female volunteers age 22 to 65 years old are being sought to serve as subjects in a dietary study to be conducted by researchers in the colleges of Health and Human Development and Agricultural Sciences.

The study, known as DELTA (Dietary Effects on Lipoproteins and Thrombogenic Activity), will evaluate the effects of reducing total dietary fat and saturated fat intake on blood lipids and lipoproteins, clotting and related variables. It is being sponsored as part of a nearly \$12 million National Heart, Lung and Blood Institute research project. Volunteers will be asked to follow three seven-week long diets within a 24-week block of time beginning in September. The diets will vary in composition but will not differ greatly from those consumed by many members of the public. All diets will be nutritionally adequate with regard to calories and have been designed specifically to prevent weight change.

DELTA will be the first multicenter study of the effects of dietary nutrients in which laboratory and diet preparation are carefully and continually standardized. The overall

project is a collaboration of Penn State, Columbia University, the University of Minnesota and the Pennington Biomedical Research Center at Louisiana State University. The University of North Carolina at Chapel Hill will serve as a coordinating center.

Penn State researchers involved in DELTA include Penny Kris-Etherton, professor of nutrition; Janice Derr, research associate in the Statistical Consulting Center; Andrea Mastro, professor of microbiology and cell biology; Edward Mills, assistant professor of dairy and animal science; C. Channa Reddy, distinguished professor of veterinary science; Madeleine Sigman-Grant, assistant professor of food science; and Helen Smiciklas-Wright, professor of nutrition. Several researchers from the Mary Imogen Bassett Research Institute in Cooperstown, N.Y., also will join the Penn State team.

For more information, call Dr. Kris-Etherton in the Department of Nutrition at 863-2923.

to pilot or prototype activities which might lead to future funding from within the unit.

Deadline for submission is Monday, June 21. Proposals, which will be reviewed by a faculty selection committee, should be submitted to James Rambeau, associate dean for undergraduate education, 207 Old Main. Funding announcement will be made by July 5.

For more information about the funds or for an application, contact Mayland Crosson at 863-1864.

**Leaders**

Continued from Page 1

Pattee Library, and is a member of The Smeal College of Business Administration's Board of Visitors.

"We also are grateful to Bill Weiss and Bob Eberly, both of whom have won the respect of Penn State alumni and friends nationwide, for agreeing to serve in the council's other key leadership positions," Dr. Thomas noted.

Prior to serving on the council, Mr. Weiss headed the Campaign for Penn State's major gifts effort in the Chicago area. Mr. Eberly served as treasurer of The Campaign for Penn State.

Mr. Schreyer decided not to seek reelection because of his increased responsibilities as Trustees chair, according to Dr. Thomas, who serves as ex officio member of the council.

"As the University's chief volunteer fund raiser for the past seven years, Bill Schreyer has compiled a long list of remarkable accomplishments," Dr. Thomas said. "Under his leadership, Penn State has vastly increased private support from all sectors at a time when every dollar is critical to maintaining academic excellence."

Mr. Schreyer, who chaired The Campaign for Penn State, will remain a member of the National Development Council. Donations to the University have increased from \$38 million in fiscal 1986 to a record \$63 million for the year ending June 30, 1992.

**CARPOOLERS**

Wanted: person/persons to carpool from Rebersburg area to University Park. Work hours are 8 a.m.-5 p.m. Monday through Friday. Call Cindy at 865-7691 or 349-8148.

Margaret needs a ride from Pleasant Gap to University Park. Her work hours are 8 a.m.-5 p.m. Monday through Friday. Call 865-1946.

Katy is looking for a carpool from Mackeyville/Mill Hill area beginning July 1. Work hours are 8 a.m.-5 p.m. Monday through Friday. Call 865-8384 or 717-726-3058.



William Weiss



Robert E. Eberly

**Proposals**

Continued from Page 1

1993-94 courses being planned this summer. Faculty eligible to receive funds include all continuing, fixed-term appointments and tenure-track faculty.

Activities covered may range from films, guest speakers, materials duplication, field trips, videos, and in-class telephone interviews. Preference will be given

The Committee on Extending Health Care Benefits to Domestic Partners, chaired by J.D. Hammond, dean of The Smear College of Business Administration, and William Elliott professor of insurance, has submitted its report to President Joab Thomas.

The committee was appointed by Dr. Thomas in January in response to recommendations made by a University task force charged with examining employee benefit issues. Although the Committee leaned strongly in support of extending benefits to domestic partners, it recommended postponing a decision in this regard until:

■ the fiscal picture for the University in both the near-term and beyond is more clear, particularly in light of the work of the University Future Committee;

■ the available data on extending benefits, particularly health insurance, are more credible so that an effective analysis can be undertaken; and

■ the definitions, limitations, and certifications appropriate for the underwriting and administration of such coverage can be developed by the University's insurance administrators and consultants.

The committee also said it believes "it is feasible to extend benefits, such as use of recreational facilities, which are not affected by University fiscal pressures."

The president's charge asked the committee to include in its deliberations an examination of equity, eligibility, definition of dependents, public relations impact, costs, legal constraints and IRS implications with respect to dependent definition and taxation.

"We explored all of these areas," Dean Hammond said, noting that extending health insurance coverage and other benefits to domestic partners is not yet common practice in either the public or the private sector. "And it is a relatively new phenomenon among institutions of higher education," he said.

The committee, Dean Hammond explained, determined early on that the phrase "domestic partners" at Penn State would include both opposite-sex and same-sex partnerships. The committee did not recommend limiting the extension of benefits to same-sex partnerships (as some other organizations have) because to do so could lead to charges of discrimination.

Regarding the President's charge, the report highlighted the following:

**EQUITY:**

"Equity issues are closely allied with concerns over discrimination.... Nothing in existing Federal or Pennsylvania nondiscrimination statutes requires or prohibits the extension of benefits to domestic partners. If benefits are not extended, there is no discrimination and if they are, that is in no way discriminatory either."

**ELIGIBILITY:**

"The extension of benefits to domestic partners precludes reliance upon the traditional marriage contract. However, some municipalities now permit the registration of domestic partnerships and Philadelphia is considering it. Once such legislation is enacted, registered couples are eligible for employee benefits offered by the municipality. Registration, however, does not confer the same legal rights as marriage. Alimony or spousal support and inheritance rights, among others, do not exist by virtue of registration."

**DEFINITION OF DEPENDENTS:**

"Benefits can be extended to dependents of domestic partners. However, not all organizations which have extended benefits to domestic partners have also extended benefits to dependents of domestic partners."

# Committee submits report

*Editor's note: Following is a memo from President Thomas to J.D. Hammond, chair of the Committee on Extending Health Care Benefits to Domestic Partners. A brief overview of the Committee's findings is included in the surrounding article.*

I have received and reviewed the report of the Committee on Extending Health Care Benefits to Domestic Partners and wish to thank you and your committee for the careful and thorough review you have presented. Extending health care benefits to domestic partners obviously is a complex matter, as noted throughout the report. I concur in your recommendation to postpone development of a plan to extend benefits to domestic partners and their dependents at this time.

I also have noted the committee's expressed belief that benefits such as recreational facilities not affected by University fiscal pressures should be extended to domestic partners as defined in the report. A process will be put into effect to develop appropriate regulations for the use of recreational facilities by domestic partners.

You and the members of the Committee have my appreciation for the diligence with which you undertook your assignment and for the quality of the report developed. I am pleased to discharge the Committee, again, with many thanks.

**PUBLIC RELATIONS IMPACT:**

"We have no way of knowing the extent to which (public relations) has affected or continues to affect the decision process of organizations which have retained the traditional benefit structure. A conversation with a representative from Michigan State University, however, indicated that the public relations issue there was significant."

**INCREASED COSTS:**

"It is beyond the province and ability of this committee to estimate cost changes that result from extending benefits. Cost data from the claims experience of other organizations reflect a variety of experience periods and benefit structures, with most of them covering only a few years. All that we can conclude at this point is that cost data are inconclusive."

**COBRA: (The Consolidated Omnibus Budget Reconciliation Act of 1985)**

"From a policy standpoint, it appears that the rationale for COBRA continuation coverage (to provide for the extension of group health coverage following a 'qualifying event') suggests that continuation coverage be made available for domestic partners, if they should become covered under the University's health plan. As before, however, such coverage is not statutorily required."

**TAXATION:**

"If the employee's domestic partner is the common law spouse of the employee, there are no tax consequences to the extension of benefits. In other cases of domestic partnership, the university employee would generate taxable income equal to the cost of providing the coverage for the domestic partner, unless the domestic partner were a dependent. The Internal Revenue Service defines dependency in terms of whether the individual in question was a member of the taxpayer's household, had the employee's home as the principal place of residence and received over half of his or her support from the employee."

In concluding, the report noted the following:

"... the issues surrounding such an extension of benefits are complex. Particularly troublesome is the fact that data on the true costs of extending benefits are limited. The experience, particularly regarding health benefits, is so limited that there is neither a substantial number of cases from which to draw information nor an extended period of time against which to measure additional expense. The available data which show no large increases in health care costs are preliminary. As some evidence of the uncertainty surrounding cost, commercial insurers are not yet a factor in supplying the extended coverage. On the other hand, this condition may simply reflect lack of demand among insured organizations.

"One way to obtain more conclusive information might be a trial period during which experience in our own community could provide reliable cost data. However, we feel that extending benefits for a finite or trial interval would create more problems than it would solve, and we do not support the concept.

"Perhaps one of the most complicating factors of all is the uncertainty surrounding the University's fiscal outlook. The University Future Committee has formalized recommendations on ways to redirect our resources, sharpen our focus and to limit the things that we do in response to acute fiscal pressures. Even with incomplete and inconclusive fiscal data regarding benefits extension, there is no doubt that costs to the University would increase, and health care costs are expected to continue increasing at annual rates of about ten percent. The committee questions whether the addition of new costs and their attendant increases is justified at a time when virtually every area of the University is reducing costs...."

Copies of the report are available in the University Libraries for persons interested in reading the full report.



## University of Hawaii faculty member is Mellet Award winner for media criticism

William J. Puette, a member of the faculty at the University of Hawaii at Manoa and author of *Through Jaded Eyes: How the Media View Organized Labor*, published by ILR Press last year, has been named winner of the 1993 Lowell Mellet Award for outstanding media criticism.

The \$1,000 award recognizes outstanding contributions to the improvement of print and broadcast journalism through responsible analysis of critical evaluation. It has been administered by the School of Communications since 1984.

Dr. Puette won the award for his "incisive, well-researched and readable analysis of the treatment of organized labor by a broad spectrum of media." The judges, Philip Meyer and Gilbert Cranberg, also noted that he deals with negative stereotyping of the labor movement in news columns, TV dramas, film and cartoons, illuminating the decline of objective and systematic coverage of this important segment of society.

Editors, writers, news directors and students will benefit from his research, the judges said. "In a world where information overload forces the audience to reply on stereotypes to manage the daily flow of words and images, we need critics like Dr. Puette to force us to evaluate and reconsider those stereotypes."

Dr. Puette teaches at the Center for Labor

Education and Research at Hawaii and focuses his research on labor relations and the way unions are perceived. He received his bachelor's degree from St. Vincent's College and his Ph.D. in American Studies from the University of Hawaii.

The Mellet Award judges also gave a special citation to Loren Ghiglione, editor and publisher of the Southridge, Mass. News and a longtime press critic. He was honored for his thoughtful and detailed examination of the handling of suicides by community newspapers.

Mellett Award judge Philip Meyer is Knight Professor of Journalism at the University of North Carolina at Chapel Hill, a former reporter for the Miami Herald and Knight-Ridder in Washington and author of *Precision Journalism*. Gilbert Cranberg, the George H. Gallup Professor at the University of Iowa, is a retired editorial page editor of one of the nation's most respected regional newspapers, the Des Moines Register.

The awards will be presented during an awards ceremony in October at University Park. John N. Rippey, assistant professor of journalism in the School of Communications, is director of the National Lowell Mellett Award, which is named in honor of the distinguished Scipps-Howard editor and syndicated columnist who died in 1960.

## COI Continuous Quality Improvement

A bi-weekly column to keep the University community updated on COI activities.

### ■ COI TEAM TRAINING

Two faculty members from Management Development Programs and Services have trained several new COI teams. On May 26, John McKissick provided training to the Ritenour Health Services Triage Team and the College Financial Officers Team; on June 10-11, Mr. McKissick will train the Physical Plant Work Assignments Team. Dennis McCarlin provided team training to a financial aid team and a conference scheduling team in the College of Agricultural Sciences on May 24. In the five months of 1993, Mr. McKissick and Mr. McCarlin have trained 17 new COI teams.

### ■ A COI MEETING IN THREE LOCATIONS

Clare Kristofco, facilitator for the Office of Telecommunications COI team, reports that the team worked on its Pareto chart based on customer concerns identified in customer interviews. Nothing special about that...except...the meeting was held at three locations through the use of video conferencing: two members in Barbara Building, one member in Harrisburg, and the remaining three members in the Telecommunications Building. Ms. Kristofco commented that it was "challenging, exciting, and—I admit it—fun. And, new!"

### ■ Smeal COLLEGE ALUMNI REUNION

The Smeal College hosted a special program June 5 for its alumni from the class of 1968. Their topic was "Continuous Quality Improvement '93: What It Is, How It Affects Penn State, and Some Applications within The Smeal College." Sue Winck, administrative director of undergraduate programs, discussed the COI effort in the Smeal Advising Center; Roger Dagen, administrative director of MBA Programs, described a COI team to improve the MBA interviewing process; Robert Novack, assistant professor of business logistics, and two business logistics majors, Linda Shearer and Jennifer Petrone, described the use of COI in the classroom. Karen Reichard, human resource development specialist, presented an overview of COI, and Paul Rigby, associate dean, described the 5-year, \$1 million IBM grant Penn State has received to support TQM development.

### ■ AT&T'S QUALITY LIBRARY

On May 26, Phil Scanlan, AT&T's Vice President for Quality, presented the COI Center with a 21 volume set from AT&T's quality library. Included are publications such as, *Quality Manager's Handbook, Great Performances! The Best in Customer Satisfaction and Customer Service, Quality Improvement Team Helper, Reengineering Handbook, Benchmarking Handbook, and Improving Data Accuracy: The Data Tracking Technique*. For more information about AT&T's publications on quality, which may be borrowed from the COI Center or purchased from AT&T, contact the COI Center, 863-8721.

### ■ NEW COI TEAM

A new team in the Office of Conduct Standards has been formed to improve the processing of discipline cases. Sponsors are Patricia Peterson, assistant vice president for campus life and Donald Sui, director of the Office of Conduct Standards. The team leader is Barbara Copland, special assistant to the vice president, Student Affairs.

Questions about COI should be directed to the COI Center, University Park, (814) 863-8721.

## PENN STATERS

Paul T. Baker, Evan Pugh Professor emeritus of anthropology, has been awarded the Charles R. Darwin Lifetime Achievement Award by the American Association of Physical Anthropologists.

Stanley Baker, professor of education, has received the Distinguished Professional Service Award from the Association for Counselor Education and Supervision.

Harold Cheatham, head, Department of Counselor Education, Counseling Psychology, and Rehabilitation Services Education, has received the Senior Scholar Award and the Contribution to Knowledge Award from the American College Personnel Association. This is the first time that an individual received both awards in the same year.

H. Reginald Hardy Jr., professor of mining engineering and director of the Pennsylvania Mining and Minerals Resources Research Institute, is serving on the advisory board of the Third Conference on the Mechanical Behavior of Salt to be held Sept. 14-16 at Palaiseau near Paris, France. The conference is co-sponsored by Ecole Polytechnique and the Penn State Rock Mechanics Laboratory.

Edwin Herr, associate dean for academic programs and research in the College of Education, has received the Government Relations Award for outstanding achievement in legislation and public policy on behalf of the counseling profession from the National Counselors Association and the Public Policy and Legislative Committee of the American Counseling Association. He also has been designated as the Distinguished Scholar for 1993 by Chi Sigma Iota, counseling academic and professional honor society international.

K.C. Kim, professor of entomology and curator and director, Center for BioDiversity Research, presented a keynote speech, "Biodiversity

Conservation: A Global Perspective" at the International Symposium on Biodiversity and Conservation at Korea University, Seoul, Korea. Peter Magyar, professor and head of the Department of Architecture, has received an honorary doctorate from his alma mater, the Technical University of Budapest.

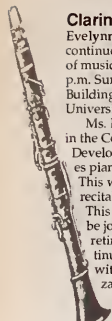
Jennifer Mastrofski, assistant professor of human development, has been elected to the board of directors of The Association of Family Conciliation Courts. The association is an international organization of judges, counselors, mediators, attorneys, researchers, and others who are interested in constructive resolution of family conflict.

Janice Morse, professor of nursing, has been invited to serve on a study, which reviews grant applications for research on AIDS and related topics, for the National Institutes of Health.

Rustum Roy, Evan Pugh professor of the solid state, professor of geochemistry, and professor of science, technology and society, has received an honorary doctorate from Alfred University. He was cited for both his many research achievements and his long-time commitment to undergraduate and graduate education.

Richard E. Tressler, professor and head of the Department of Materials Science and Engineering, is serving as president of the American Ceramics Society.

Julianne Turner, assistant professor of educational psychology, has received the University of Michigan's Best Dissertation in Educational Studies Award for her dissertation titled "Situating Motivation in Literacy Instruction."



### Clarinet recital

Evelynn Ellis and Jill Olsen will continue their summer recital series of music for clarinet and piano at 3 p.m. Sunday, June 13, in the Music Building Recital Hall on the University Park Campus.

Ms. Ellis is an academic adviser in the College of Health and Human Development, and Ms. Olsen teaches piano in the School of Music. This will be their eighth annual recital.

This year the two musicians will be joined by Raymond Page, a retired viola professor who continues to perform with several organizations throughout the region.

Ms. Ellis will open the program with "Threemoods" for Clarinet, a solo piece by Pennsylvania composer Albert Tiberio, which will be followed by the Sonata for Clarinet and Piano by Franz Danzi. The second half of the program will begin with the Sonata No. 3 by Gioacchino Rossini for Clarinet and Piano and conclude with the Suite for Violin, Clarinet and Piano by Darius Milhaud.

The recital is free to the public.

Rich Man: "The Life of Jan Peerce," airing at 1 p.m. Sunday, June 20, offers "Toscanini's favorite tenor" and includes film clips and interviews, documenting Peerce's rise from the slums of New York to the brilliant stage of the Metropolitan Opera.

### "Funny Girl"

"Funny Girl," the bittersweet musical comedy about the life of entertainer Fanny Brice, will open at 8 p.m. Friday, June 18, in The Playhouse on the University Park Campus. The show is the second of the Pennsylvania Centre Stage season.

Following Brice's career from the "Ziegfeld Follies" to her troubled marriage with Nick Arnstein to her immersion in her work after their failed marriage, "Funny Girl" highlights the laughter and pain of her path to stardom.

Carole Raker, professor of theatre arts and now in her fifth season as artistic director of Centre Stage, will direct the production. She has directed such past Centre Stage favorites as "Nunsense," "George M!" and "1776."

"Funny Girl" shows at 8 p.m. June 18, 19, 22-26, 29 and 30 and July 1-3. A matinee will be performed at 2 p.m. Saturday, June 26. Preview performances will take place at 8 p.m. Wednesday, June 16, and Thursday, June 17.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

### Crafts National 27

Crafts National 27, a juried exhibition featuring contemporary crafts, is on display through July 25 in Zoller Gallery in the Visual Arts Building on the University Park Campus.

The exhibition is co-sponsored by the Central Pennsylvania Festival of the Arts, the Pennsylvania Council on the Arts, Zoller Gallery, the School of Visual Arts and the Office of Summer Sessions.

Crafts National 27 represents a wide variety of media and techniques as applied to works of fiber, ceramics, glass, metal, wood and handmade paper.

Joanne Rapp, this year's juror, is the founder and director of the Joanne Rapp Gallery/The Hand and the Spirit in Scottsdale, Ariz. She selected 100 works from 95 artists from over 1,700 works submitted by 605 artists from around the nation.

Zoller Gallery summer hours are 10 a.m. to 5 p.m., Monday through Friday; 11 a.m. to 4:30 p.m., Saturday; and noon to 4 p.m. Sunday. The exhibition is free to the public.

### Quilt on exhibit

A work of art created by Karen

Delmonico's class at the Child and Coater Development Center in Coatesville was selected to represent Pennsylvania in the U.S. Capitol 200th Anniversary Art Exhibition in September 1993.

The artwork, a quilt, can be seen as part of the Sixth Annual Very Special Arts Commonwealth Exhibition, which will be on display in conjunction with the Pennsylvania Special Olympics, through June 29 in the Hetzel Union Building on the University Park Campus.

The quilt was created by Very Special Arts Pennsylvania participants Kathy McCochren, Michelle Viney, William Craig, Maxine Miller, Gregory Haines, Greg Robinson, Michael Prendergast, Jason Garrett, Ruth Hancock, Chris Gilpin, John McGuire and John Sweeney.

Very Special Arts Pennsylvania was established to provide quality arts programming to individuals of all ages with disabilities throughout Pennsylvania. It is an educational affiliate of the John F. Kennedy Center for the Performing Arts. Robert W. Ott, professor of art, is executive director of Very Special Arts Pennsylvania.

### Summer classes

Advanced registration is now being accepted for the Summer Sessions Art Classes for students ages six through 16 and older. The classes are taught by art education majors.

Incorporating all the activities in which artists engage such as painting, sculpture, photography, construction and design, the classes are aimed at developing students' skill through participation in a project that will transform the entire Chambers Gallery into a work of art that can not only be seen, but felt and heard.

Classes will meet on

Wednesdays, June 23 through August 4, 9 a.m. to 11 a.m. The fee is \$18 per student. For further information or to register, please contact Nicki at (814) 865-6570, Monday through Friday, 8 a.m. to noon, or send your registration with student's name and age to: Art Education Program, The Pennsylvania State University, 207 Arts Cottage, University Park, Pa., 16802-2905.

### Music at Penn's Woods

Music at Penn's Woods begins its eighth season at 7:30 p.m. Saturday, June 19, in Schwab Auditorium on the University Park Campus.

Douglas E. Meyer, professor of music, now in his fifth year as music director of the summer music festival, will conduct the 55-piece orchestra.

The program will feature Beethoven's Symphony no. 2 in D major, Carter's Elegy for String Orchestra and Dvorak's Concerto for Cello and Double Bass.

Guest cellist Kim Cook will be the featured soloist in Dvorak's Concerto for Cello and Orchestra. A prize winner of the International Cello Competition in Brazil, Ms. Cook has performed frequently for television and radio in Brazil and the United States.

Sponsored by the School of Music, Music at Penn's Woods unites gifted musicians from universities and symphonies across the country for a month-long residency at Penn State. The festival continues through July 10 and offers four concerts covering 12 works.

See "Arts" on Page 10



"Contained," a quilt by Ruth Garrison, is included in the Crafts National 27 juried exhibition featuring contemporary crafts that is on display through July 25 in Zoller Gallery on the University Park Campus.

# University Park Calendar

## June 8 — June 27

### SPECIAL EVENTS

**Wednesday, June 9**  
Special Olympics, through June 13.  
Classes begin (6 week session).  
Divisions: 7:30 p.m., Schwab Aud. Jim Hancock and Susan Zedler on "Inner Sources for Out-Write Expression."

**Thursday, June 10**  
Divisions, Music at Noon, Fisher Plaza. Andrew Jackson—Jazz.

**Divisions, 3:30 p.m., Fireside Lounge, Nittany Lion Inn.** Colin Goodall on "Shapes and Images."

**Friday, June 11**  
Divisions, Music at Palmer Piazza, 7 p.m. Bavarian Slompers—Polka, Waltzes. Creamery Ice Cream available.

**Saturday, June 12**  
Shaver's Creek, 10 a.m. Aquanauts.

**Sunday, June 13**  
Shaver's Creek, 2 p.m. Central Pennsylvania Civil War Softfiring.

**Film Festival, 7:30 p.m., Carnegie Cinema.** "Films of Indigenous Peoples." Billy Mills on "Running Brave."

**Monday, June 14**  
"Films of Indigenous Peoples," 7:30 p.m., Carnegie Cinema. "Imagining Indians," "That Which is Between," and "Cow Tipping: The Militant Indian Water." Bowling "Divisions," Penn State Lanes, 7-9 p.m. or 9-11 p.m.

**Tuesday, June 15**  
Music at Noon: Hot Mamas—Contemporary Folk, Fisher Plaza.

**"Films of Indigenous Peoples," 7:30 p.m., Carnegie Cinema.** "Return of the Country," "Babakueria," and "Honored by the Moon." Speaker, Bob Hicks.

**Wednesday, June 16**  
"Films of Indigenous Peoples," 7:30 p.m., Carnegie Cinema. "Nice Colored Girls," "Night Cries," and "My Survival as an Aboriginal." Summer Series: "Children are our Future," 7:30 p.m., Schwab Auditorium. Featuring Seymour Papert.

**Pennsylvania Centre Stage, "Funny Girl" preview, also June 17.** Call 863-0255.

**Thursday, June 17**  
Veterinary Science Poster Exhibition, 1-5 p.m., Ballroom C, D & E, Nittany Lion Inn.

**Music at Noon: Red Apple Juice (Andy Tisher)—Country, Fisher Plaza.**

**"Films of Indigenous Peoples," 7:30 p.m., Carnegie Cinema.** "The Chant of Jimmy Blacksmith," Diane Bell, speaker.

**Friday, June 18**  
Ice Cream "Divisions," 7-8 p.m., Palmer Piazza. Swinging Dixie—Dixieland, Creamery Ice Cream.

**"Films of Indigenous Peoples," 7:30 p.m., Carnegie Cinema.** A Special Program of Selected Short Films.

**Pennsylvania Centre Stage, opening night, "Funny Girl,"** through July 3. Call 863-0255.

**Saturday, June 19**  
Shaver's Creek, 12:30 p.m., Native American Series: Face Mask Making.

**Music at Penn's Woods, 7:30 p.m., Schwab Auditorium.**

**Sunday, June 20**  
Penn's Woods Chamber Concert, 3 p.m., Recital Hall, Music Bldg.

**Tuesday, June 22**  
Shaver's Creek Summer Camps: Discovery Day Camp, ages 6-11; Adventure Camp, ages 12-13, and Discovery Leaders in Training, ages 14-17, through June 26.

**Music at Noon: Bellarmy Trio—Medieval and Folk, Fisher Plaza.**

**Wednesday, June 23**  
Classes Begin (6 week session)  
Summer Series: "Children are our Future," 7:30 p.m., Schwab Auditorium. "Empowering the Imagination: An Evening with Rafe Martin."

**Thursday, June 24**  
Music at Noon: Tom Long—Jazz, Fisher Plaza.

**Ice Skating "Divisions," 8-11 p.m., Ice Rink, Friday, June 25**

**Ice Cream "Divisions," 7-8 p.m., Palmer Piazza.** Chip Lovett Band—Jazz. Creamery Ice Cream.

**Saturday, June 26**  
Music at Penn's Woods, 7:30 p.m., Schwab Auditorium.

**Shaver's Creek, 10 a.m., Natural History of Bear Meadows.**

**Sunday, June 27**  
Penn's Woods Chamber Concert, 3 p.m., Recital Hall, Music Bldg.

### PUBLIC RADIO

**WPSU-FM 91.1**  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.

**"Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursdays.**

### CONFERENCES

**Tuesday, June 8**  
Accident Investigation Principles & Practices, 12 attendees, Days Inn, through June 9. M. Radomsky, chair; R. Maclean, coordinator.

**Elements of Mine Electrical Systems, 12 attendees, Days Inn, through June 10.** J. Kohler, chair; B. Impellitteri, coordinator.

**State Farm 1993, 400 attendees, Nittany Lion Inn/Beaver Hall, through June 10.** C. Butler, chair; D. Noyes, coordinator.

**PA Association of Arson Investigators, 130 attendees, Keller Bldg, through June 11.** G. Went, chair; E. Loop, coordinator.

**Underwater Acoustics, 50 attendees, Simmons/Nittany Apartments, through June 29.** A. Sitart, chair; R. Maclean, coordinator.

**Program for Executive Development, 35 attendees, Nittany Lion Inn, through June 25.** J. Mencher, coordinator.

**PA Therapeutic Recreation Society, 225 attendees, Simmons Hall, through June 11.** B. Griffith, chair; W. Stemer, coordinator.

**Wednesday, June 9**  
Chamber Music Workshop, 70 attendees, Days Inn, through June 13. D. Hopkins, chair; D. Noyes, coordinator.

**Thursday, June 10**  
Sexuality in Context, 150 attendees, Nittany Lion Inn, through June 13. P. Koch, chair; R. Maclean, coordinator.

**Sunday, June 13**  
Swimming Camp, 135 attendees, East Halls, through June 17. B. Krimmel, chair; C. Herd, coordinator.

**Golf Camp I, 40 attendees, East Hall, through June 18.** D. St. Pierre, chair; J. Misom, coordinator.

**Communication Workers of American District, 50 attendees, Pollock Halls, through June 18.** G. Gall, chair; C. Herd, coordinator.

**Monday, June 14**



**Clarinet recital** — Evelyn Ellis (above) and Jill Olsen continue their summer recital series of music for clarinet and piano at 3 p.m. Sunday, June 13, in the Music Building Recital Hall.

**Mushroom Short Course, 220 attendees, Nittany Lion Inn, through June 16.** P. Wuest, chair; G. Peterson, coordinator.

**Advanced FFA, 20 attendees, Friday Lear Room, through June 18.**

**Probable Maximum Flood Standards, 25 attendees, Nittany Lion Inn, through June 18.** A. Miller, chair; B. Impellitteri, coordinator.

**Expert Witnessing, 30 attendees, Nittany Lion Inn, through June 16.** J. Matson, chair; R. Maclean, coordinator.

**Community Bankers, 40 attendees, Nittany Lion Inn, through June 16.** S. Hendrick, chair; C. Andersen, coordinator.

**Play Therapy for Professionals, 16 attendees, East Halls, through June 17.** L. Guemey, chair; C. Andersen, coordinator.

**Legal Aspects of Domestic Relations, 15 attendees, Best Western, through June 18.** J. Homer, chair; E. Loop, coordinator.

**Advanced FFA, 20 attendees, East Halls, through June 18.** B. Grinder, chair; M. Johnston, coordinator.

**Soil Conservation Service Meeting, 20 attendees, through June 18.** B. Elenon, chair; M. Johnston, coordinator.

**Tuesday, June 15**  
Specialty Mushroom Workshop, 100 attendees, Nittany Lion Inn, through June 16. D. Royse, chair; G. Peterson, coordinator.

**FFA Activities Week, 1,200 attendees, East Halls, through June 17.** B. Grinder, chair; M. Johnston, coordinator.

**Fermentation Methods and Scale-Up Strategies, 15 attendees, Days Inn, through June 18.** K. Rashid, chair; J. Misom, coordinator.

**Wednesday, June 16**  
Optical Society of America, 45 attendees, Nittany Lion Inn, through June 18. C.

**Bohren, chair; C. Herd, coordinator.**

**Thursday, June 17**  
Alkali Metals Workshop, 100 attendees, Nittany Lion Inn, through June 19. R. Diehl, chair; W. Stemer, coordinator.

**CREFT, 10 attendees, East Halls, through June 19.** L. Guemey, chair; C. Andersen, coordinator.

**CMREN 542-Computer Networks, 15 attendees, Nittany Suites, through July 2.** J. Robinson, chair; R. Maclean.

**Friday, June 18**  
Appraisal Institute, 300 attendees, Nittany Lion Inn, Atherton Hilton, Days Inn, Toltees, Hampton Inn, through June 20. A. Smilowitz, chair; R. Maclean, coordinator.

**Place Kicking and Punting Camp, 80 attendees, East Halls, through June 20.** F. Rocco, chair; E. Loop, coordinator.

**Elite Field Hockey Camp I, 60 attendees, East Halls, through June 21.** C. Morlett-Newman, chair; C. Herd, coordinator.

**Sunday, June 20**  
NEBASA Conference (Agronomy Society), 150 attendees, Nittany Lion Inn, through June 23. E. Hallett, chair; G. Peterson, coordinator.

**Lady Lion Basketball Camp I, 175 attendees, East Halls, through June 24.** R. Portland, chair; J. Sinclair, coordinator.

**Swimming Camp II, 35 attendees, East Halls, through June 24.** B. Krimmel, chair; C. Herd, coordinator.

**Girls Volleyball Camp I, 112 attendees, East Halls, through June 24.** R. Rose, chair; J. Misom, coordinator.

**Football Camp I, 550 attendees, East Halls, through June 24.** F. Rocco, chair; E. Loop,

## Assistant professors receive research awards

Barbara Cantalupo, assistant professor of English at the Penn State Allentown Campus, and Marilyn Daniels, assistant professor of speech communication at the Penn State Worthington Scranton Campus, have received research awards from the Roy C. Buck Fund.

The fund was established by Dr. Buck, professor emeritus of sociology and social science, to assist faculty working under tenure to carry out research, preferably on a topic related to minority culture.

Dr. Cantalupo's project, "The 'New Woman' in Jewish American Culture at the Turn of the Century: Contextualizing Emma Wolf's Fiction," is concerned with the writings of Wolf, who—from 1896 to 1916—contributed articles to *The Smart Set*, a literary magazine of the period, and wrote short stories and a novel.

Dr. Cantalupo recently rediscovered Wolf's novel with the help of a hand-written "bio-card" archived in the California State Libraries in Sacramento. Wolf's fiction engages issues that feminists of her time wrote about and lobbied for and against: the rest cure, universal suffrage, motherhood, and "the new woman."

Her research will focus on the relationship of "the new woman," as projected by Wolf, with views expressed in *The Jewish Jewess*, a women's literary journal, in other Jewish periodicals, and in *The Smart Set* and related themes.

Dr. Daniels' research is concerned with the teaching methods of Thomas Hopkins Gallaudet used at the American School for the Deaf in West Hartford, Conn., the first school to offer education for the deaf in the United States. Gallaudet learned sign language and his teaching methods at the French National Institute for the Deaf in Paris, the world's first school for the deaf. Today's hearing-impaired and deaf students are instructed following these earlier models.

Dr. Daniels plans to study the lesson plans, textbooks, teacher, and student records in the Connecticut school's archives to determine exactly what methods were used during its early years. The results of this project will be included in a book Dr. Daniels has under way on the history of the pedagogy of sign language.

## Two given Distinction in Humanities Award

Earl E. Fitz, professor of Portuguese, Spanish, and comparative literature, and Martha J. Kolhn, associate professor of English and associate director of the Institute for the Arts and Humanistic Studies, have received the Class of 1933—Distinction in the Humanities Award at a College of the Liberal Arts reception on April 1.

Dr. Fitz, the first person to receive the award twice, is a recognized authority in the area of Inter-American literary studies. He is credited with having brought to scholarly attention the work of the Brazilian writer Clarice Lispector, a major but previously neglected figure. He is a translator of her works and has written a book and articles about her, pointing out the influence of her work on other writers and critics.

Dr. Fitz also has been a leading figure in the development of a new analytical approach to the literature of the Americas, from Canada through the U.S. and the Caribbean to Spanish America and Brazil, in which certain literary approaches are seen as common to Inter-American literature. His books include a study on the rise of literature throughout the Americas, *Rediscovering the New World: Inter-American Literature in a Comparative Context* (University of Iowa Press, 1991). He is the author of over forty articles and four books, of which the most recent, now in press, is concerned with the New Novel in Latin America.

Professor Kolhn is a nationally recognized authority on the analysis of the English language. Her books, *Understanding Grammar* (1982), *Language and Rhetorical Composition* (1984), and *Rhetorical Grammar: Grammatical Choices, Rhetorical Effects* (1991), are now used at more than 250 colleges and universities in every region of the United States and abroad. She is considered a pioneering voice in assimilating what we know about language into the teaching of composition.

Professor Kolhn also was cited for her significant contributions to the Institute for the Arts and Humanistic Studies of which she has served as associate director since 1991.

## Engineering professor honored for student advocacy

Harry West, professor of civil and environmental engineering, is the 1993 recipient of the Lawrence Perez Memorial Student Advocate Award offered annually by the College of Engineering.

Dr. West explains his philosophy of teaching as "Giving students a sense that you care, that you feel teaching is important and that you like doing it."

He joined the College of Engineering faculty as an assistant professor of civil engineering in 1967 and has gone on to be one of the College's most respected teachers. He has received several awards for teaching including the Penn State Engineering Society Outstanding Teaching and Premier



Harry West

Teaching Awards, the American Society of Engineering Education Western Electric Award, and the Christian R. and Mary F. Lindback Award for Distinguished Teaching.

Dr. West is the author of *Analysis of Structures: An Integration of Classical and Modern Methods*, a popular textbook recently updated and published as *Fundamentals of Structural Analysis*. In addition to extensive teaching and advising activities, he is the professor-in-charge of the Penn State/University of Leeds (UK) exchange program.

He earned bachelor's and master's degrees in civil engineering from Penn State and a Ph.D. in civil engineering from the University of Illinois, Urbana.

The Perez Award is the only award offered by the College of Engineering that is initiated by student nominations. It is offered in memory of Lawrence Perez, a former professor of civil engineering and assistant dean in the College of Engineering who was known for his dedication to students. It was established with contributions from the Perez family, friends, and former students.

## ERM coordinator receives advising award for excellence

Herschel A. Elliott, professor of agricultural engineering and coordinator of the Environmental Resource Management (ERM) program, has received the 1993 College of Agricultural Sciences Alumni Society's Excellence in Academic Advising Award.

The award recognizes faculty with outstanding skills in academic advising, career planning and personal counseling. Advisers in the college are nominated by alumni, faculty, students and administrators.

"Dr. Elliott exemplifies what an adviser should be," says colleague James R. Pratt, assistant professor of aquatic ecology. "He is available to students, he is aware of career needs and the state of the job market, and he has the experience and caring attitude needed to help students through difficult situations."

As coordinator of the interdisciplinary ERM program, Dr. Elliott is the first contact for students entering the college's largest program. He provides transitional counseling, often to students in search of career goals. He also advises the student ERM club and coordinates internships for ERM students.

Dr. Elliott joined Penn State as an associate professor in 1984 and became professor in 1990. Previously, he was an associate professor of agricultural engineering at the University of Delaware. He is a registered professional engineer and a member of numerous honor societies and professional associations, including Tau Beta Pi.

## Three faculty named outstanding teachers

Three College of Arts and Architecture faculty members have received College Outstanding Teaching Awards.

Eleanor Duncan Armstrong, assistant professor of music, was recognized for her interest in all phases of her students' growth and her care in engaging her students as partners in the educational process.

William J. Kelly, associate professor of theatre and integrative arts, received honors for his dedication to the classroom and commitment to the ethic that the arts are a means of humanistic understanding that should be made available to everyone.

Constance Kirker, lecturer in art history, art and art education at the Penn State Delaware County Campus, was recognized for her energizing and inspiring influence on both students and faculty as well as for her ability to transform the classroom into a cultural experience.

The awards were established in 1992 to recognize and encourage excellence in teaching and advising. They carry a \$1,000 increase in the recipient's base salary. Honorees are nominated by faculty and students in the college.

## AWARDS

# McKeesport physics professor earns teaching award

Richard T. Obermyer, professor of physics at the Penn State McKeesport Campus, is the winner of the 1993 C. I. Noll Award for Excellence in Teaching.

The award, sponsored by the Eberly College of Science Student Council and Alumni Society, is the college's highest honor for undergraduate teaching. In addition to receiving a \$500 cash prize, Dr. Obermyer will have his name inscribed on a plaque alongside previous Noll Award winners.

"Students are the major beneficiaries of teaching awards such as the Noll Award because such honors can, and do, encourage faculty to strive for excellence in their classes," he said.

A specialist in the study of magnetic properties and magnetism of intermetallic compounds, Dr. Obermyer joined the faculty at McKeesport Campus as an assistant professor in 1971. For more than twenty years, he has been a dedicated researcher as well as a devoted teacher, adviser, and mentor to numerous Penn State undergraduates.

Colleagues praise him for his "enthusiasm in the classroom" and for his ability to patiently guide and

encourage students while at the same time demanding academic excellence from them.



Richard T. Obermyer

often cite Dr. Obermyer's availability outside the classroom, his willingness to explain problems in detail, and his capacity to convey ideas clearly and effectively.

Dr. Obermyer, who has been a research associate at Carnegie-Mellon Research Institute since 1986, also has made significant contributions outside the classroom. In an effort to promote and encourage excitement and success in the technical sciences, he helped initiate and organize

the Women in Science, Engineering, and Technology Program at McKeesport Campus. On his own and as a participant in the Oak Ridge Associated Universities, a consortium of universities that promotes education and retraining in science and engineering, he has worked to secure summer employment and internships for students at the campus.

He also has served as coordinator of the Department of Physics at McKeesport Campus and as a Dean's Representative to the College of Earth and Mineral Sciences.

In addition to winning fellowships from NASA and the National Science Foundation, he has been honored with McKeesport Campus's 1981 Outstanding Scholar Award and 1991 Academic Excellence Award.

A 1964 graduate of St. Francis College with a bachelor's degree in physics and mathematics, Dr. Obermyer earned his master's and doctoral degrees in physics at the University of Toledo in 1966 and 1971, respectively. Prior to joining the Penn State faculty, he held several research positions at the University of Toledo.

## Staff assistant honored for outstanding professional service

Juliet Anne Avery, staff assistant to the director of academic affairs at the Worthington Scranton Campus, is winner of the Outstanding Office Professional Award for 1992-93. Finalist is Lisa Marie Richtscheit, assistant to the director of operations, School of Communications.

The award is sponsored by the Penn State Educational Office Professionals (PSEOP), which honored them at the PSEOP's Tenth Anniversary Dinner on May 19.

Ms. Avery began her Penn State career as a part-time receptionist in 1971. She began her full-time employment in February 1973. Throughout her career, she has assumed various duties in such areas as the Admissions Office, the Records Office, the Registrar's Office, the Division of Undergraduate Studies, and the Word Processing Center.

As a member of the Scranton Business and Professional Women's Organization, in 1982 she was recognized as the Young Careerist, and in 1989 was selected as Woman of the

Year. While maintaining her dedication and commitment to her position



Juliet Anne Avery

and education, in 1983 she received an associate in arts degree with high distinction from Penn State. In 1992, she completed her bachelor of science in rehabilitation education with high distinction. She also was a member of the Golden Key Honor Society while a student at Penn State.

Ms. Richtscheit began her career at Penn State in the Office of Physical Plant, and also has worked in the Eberly College of Science. She has been active in self-development, and community activities.

Penn State Educational Office Professionals is a professional organization whose membership consists of faculty, staff, non-employee, and technical service employees. For information please call Jenny King, president, (865-7681), or Anne Smilowitz, (863-2479).

## Graduate named "Alumnus of the Year"

The Penn State Hotel and Restaurant Society has honored Gary Budge as its 1993 Alumnus of the Year.

Mr. Budge, of Stamford, Conn., is a 1972 graduate in food service and housing administration (now hotel, restaurant, and institutional management). He is director of food and beverage of the Sheraton New York and Sheraton Manhattan, earlier he was corporate vice president of food and beverage for Princess Hotels International.

He is president of the Alumni Society of the College of Health and Human Development, and has chaired its development committee.

The Penn State Hotel and Restaurant Society is an alumni organization of the School of Hotel, Restaurant, and Recreation Management in the College of Health and Human Development. Recipients of the award are invited to visit University Park to interact with students, faculty and alumni.

## York Campus

### Assistant professor cited for writings

Mark Casteel, assistant professor of psychology at the Penn State York Campus, has received the Roy C. Buck Award of the College of the Liberal Arts. The award, established by Dr. Buck, professor emeritus of sociology and social science, is presented to an untenured faculty member who has written the best social or behavioral science research paper published in a journal during the previous year, with preference given to papers on a topic related to multicultural diversity.

Dr. Casteel's article, "The Effects of Inference Necessity and Reading Goal on Children's Inferential Generation," is

appearing in the journal *Developmental Psychology*. The research shows that school children as young as third-graders interpret stories as adults do, by creating inferences based on the text as they read.

Dr. Casteel received his B.A. in psychology and bio-social science from Coe College, Cedar Rapids, Iowa, and an M.A. in developmental psychology from the University of Nebraska, Omaha. He received his doctorate in experimental child psychology from the University of Nebraska, Lincoln, in 1988 and joined Penn State's Psychology Department the same year.

## Two engineering faculty receive honors

Two Industrial Engineering faculty members have been honored by the Institute of Industrial Engineers.

Kenneth Knott, professor of industrial and management systems engineering, received the IIE 1993 Award for Technical Innovation in Industrial Engineering. The award recognizes significant innovative technical contributions to industrial engineering.

Sanjay B. Joshi, assistant professor of industrial engineering, received the 1993 Outstanding Young Industrial Engineer Award.

The award recognizes individuals in academic and business and industry who have demonstrated outstanding characteristics in leadership, professionalism, and potential in industrial engineering.

## Assistant professor of history receives junior faculty development award

Kumkum Chatterjee, assistant professor of history, has received the 1993 Kent Forster Memorial Junior Faculty Development Award. The award, instituted in 1981, is made to a junior faculty member of the department who has demonstrated outstanding teaching ability and is intended to support a research project.

Dr. Chatterjee's award will be used in her study of British colonial rule and Indian urban society (1860-1920).

## CEO of banking firm named to Smeal College board

Michael J. Farrell, president and chief executive officer of the Pittsburgh-based investment and merchant banking firm, Farrell & Co., has been named to the Board of Visitors of The Smeal College of Business Administration.

The board, whose members are executives in both the public and private sectors, provides the college access to the advice and thinking of business leaders at highest levels in the U.S. management community.

Mr. Farrell is a 1971 accounting graduate of The Smeal College. He manages a company that acts as a provider of financial services to manufacturing companies in western Pennsylvania, Ohio and West Virginia and has two principal operating subsidiaries—American Alloys Inc. and Pittsburgh Flatroll, both in Pittsburgh.

Founded in 1982, Farrell & Co. also offers unique services that fos-

ter management buyouts, stimulating the local and regional economies by reinvigorating existing firms and creating new ones. In the past five years, Farrell & Co. has completed more than \$500 million in financial transactions for its clients.

Mr. Farrell has been deeply committed to Penn State, having been on the National Committee of The Campaign for Penn State. Long a supporter of the University, The Smeal College and its accounting program, he has created the Michael J. Farrell Chair in Venture Management. He is active on The Smeal College Alumni Society Board of Directors, the Business Associates Program, and has been a frequent lecturer at the University. He was honored earlier this year as a Penn State Alumni Fellow.

## Arts

### Continued from Page 6

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

Music at Penn's Woods also offers a chamber music series that provides young chamber groups an opportunity to perform before an audience. The first of five summer recitals will take place at 3 p.m. Sunday, June 20. All chamber concerts will be held at the School of Music Recital Hall on the University Park Campus.

The chamber music series is free and open to the public.

### "Arsenic and Old Lace"

"Arsenic and Old Lace," the memorable farce by Joseph Kesselring, will open at 8 p.m. Wednesday, June 30, at the Pavilion Theatre on the University Park Campus. Directed by John Neville-Andrews, it is the third production of the Pennsylvania Centre Stage season.

"Arsenic and Old Lace" portrays Abby and Martha Brewster, two kind-hearted old ladies who express their compassion in an unusual manner: with a potent mixture of elderlyberry wine and poison, they guide old men to peaceful deaths.

Noted for its eccentric cast of characters, the comedy features such personalities as Teddy, the Brewsters' nephew, who is convinced that he is Teddy Roosevelt; Jonathan Brewster, a prolific murderer who wants to boost his aunts' efficiency; and Dr. Herman Einstein, Jonathan's accomplice, who performs plastic surgery while under the influence.

"Arsenic and Old Lace" shows at 8

p.m. July 2 and 3, July 7-10, and July 13-17. Saturday matinees are at 2 p.m. July 10 and July 17. Previews are at 8 p.m. June 30 and July 1. All shows are at the Pavilion Theatre.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

### Drama Camp

State College Clown Don "The King" McClintock will teach juggling skills to young people at the MetaStages Drama Camp, a summer outreach program sponsored by the Department of Theatre Arts.

Two one-week camps will be conducted at the Pavilion Theatre on the University Park Campus during July. MetaStages director, Joann Leonard, announced daily sessions from 10 a.m. to 3:30 p.m., for grades 3 through 5 and grades 6 through 10, to be held concurrently during the weeks of July 19-23 and 26-30.

A professional faculty of five instructors will conduct morning workshops in various theatre skills including mask-making, line dancing, mime and juggling. Afternoon sessions will focus on scene study, theatre games, rehearsals and performance. Enrollment is limited.

Mr. McClintock, who has a background in mime, is in charge of clowns for the Central Pennsylvania Festival of the Arts and is active in the Penn State Juggling Club. He coordinates "Clowns on Call," a group of volunteers who perform for charitable events and in the schools.

For further information, contact MetaStages, 1005 Saxton Drive, State College, Pa. 16801, (814) 867-8390.

## Calendar

### Continued from Page 7

- coordinator.
- Golf Camp II, 50 attendees, East Halls, through June 25. D. St. Pierre, chair; J. Misom, coordinator.
- UNIM Financial Leadership Development Program, 42 attendees, Nittany Lion Inn, through June 25. J. Mencher, chair.
- Communication Workers of America District 2, 85 attendees, Toffress, through June 25. D. Hinde, chair; C. Herd, coordinator.
- USA Hockey Camp, 100 attendees, Pollock Halls, through June 25. J. Battista, chair; J. Misom, coordinator.
- Advanced Tennis Camp, 16 attendees, East Halls, through June 25. J. Borner, chair; C. Andersen, coordinator.
- Diving Camp I, 35 attendees, East Halls, through June 25. C. Brown, chair; J. Sinclair, coordinator.
- Summer Seminar on Philately, 80 attendees, Nittany Lion Inn, through June 25. P. Jehno, chair; E. Loop, coordinator.
- Women in Engineering, 24 attendees, Pollock Halls, through June 25. S. Luch, chair; N. McCord, coordinator.
- Computer Elderhostel II, 40 attendees, through June 26. J. Moore, chair; R. Maclean, coordinator.
- High School Jazz Camp, 35 attendees, through June 26. D. Yoder, chair; C. Andersen, coordinator.
- Elderhostel I, 40 attendees, East Halls, through June 26. J. Moore, chair; J. Sinclair, coordinator.
- Summer Space Academy, 24 attendees, Hartman Hall, through July 1. R. Devon, chair; D. Noyes, coordinator.
- Monday, June 21
- 4-H Amateurs, 120 attendees, East Halls, through June 23. U. Bakker, chair; M. Johnston, coordinator.
- IUFRO International Forestry Conference, 100 attendees, Nittany Lion Inn, through June 24. S. Fairweather, chair; G. Peterson, coordinator.
- Baseball Day Camp, 40 attendees, through June 24. J. Hinde/ang, chair; E. Loop, coordinator.
- Adventure Programming, 15 attendees, through June 25. B. Ricketts, chair; J. Misom, coordinator.
- Underwater Inspection of Bridges Short Course, 20 attendees, Nittany Lion Inn, through June 25. D. McClure, chair; W. Siemes, coordinator.
- Field Training Officers, 20 attendees, Nittany Lion Inn, through June 25. J. Sullivan, chair; E. Loop, coordinator.
- Tuesday, June 22
- Sound and Recording Workshop, 15 attendees, through June 25. P. Kiefer, chair; J. Sinclair, coordinator.
- Multiculturalism in the United States: Putting Theory Into Practice, 150 attendees, Nittany Lion Inn, Days Inn, through June 26. C. Mulford, chair; C. Herd, coordinator.
- Wednesday, June 23
- Leadership Training Program, 85 attendees, Nittany Lion Inn, through June 24. B. Hartman, chair; C. Andersen, coordinator.
- Jr. Olympic Shooting Camp, 32 attendees, Pollock Halls, through June 27. D. Laili, chair; J. Sinclair, coordinator.
- Friday, June 25
- Advanced Field Therapy, 10 attendees, East Halls, through June 26. L. Guemey, chair; C. Andersen, coordinator.
- Saturday, June 26
- Piano Teachers Workshop, 10 attendees, Nittany Suites, through June 28. T. Shaler, chair; C. Andersen, coordinator.
- Bridges to the Future, 20 attendees, Pollock Halls, through July 17. M. Secor, chair; C. Herd, coordinator.
- Sunday, June 27
- Swimming Camp III, 35 attendees, East Halls, through July 1. B. Krimmel, chair; C. Herd, coordinator.
- Girls Volleyball Camp II, 112 attendees, East Halls, through July 1. R. Rose, chair; J. Misom, coordinator.
- Football Camp II, 550 attendees, East Halls, through July 1. F. Rocco, chair; E. Loop, coordinator.
- Diving Camp II, 34 attendees, East Halls, through July 1. C. Brown, chair; J. Sinclair, coordinator.
- Lady Lion Basketball Camp II, 175 attendees, East Halls, through July 1. R. Portland, chair; J. Sinclair, coordinator.
- Junior Tennis Camp, 18 attendees, East Halls, through July 1. J. Borner, chair; C. Andersen, coordinator.
- Golf Camp III, 40 attendees, East Halls, through July 1. D. St. Pierre, chair; J. Misom, coordinator.
- Computer Elderhostel II, 40 attendees, through July 3. J. Moore, chair; R. Maclean, coordinator.
- Elderhostel II, 40 attendees, East Halls, through July 3. J. Moore, chair; J. Sinclair, coordinator.
- High School Keyboard, 25 attendees, through July 3. T. Shaler, chair; C. Andersen, coordinator.
- Figure Skating Camp, 50 attendees, Pollock Halls, through July 9. D. Yeagley, chair; C. Herd, coordinator.

### SEMINARS

- Thursday, June 10
- Financial Planning Seminar, 6-7:30 p.m., 329 Buckle Bldg., Inv. Fwy on "Money Management/Budgeting." Call Adult Learner Services at 863-3887.
- Monday, June 14
- Ceramic Science, 11 a.m., 301 Steidle.
- Michael Mahoney on "Model Cxyntride Composites For Investigation of Silicon Nitride Ceramic Processing."
- Thursday, June 17
- Summer Seminar, 3:30 p.m., Freside Lounge, Nittany Lion Inn. Jonathan Day on "Age, Sex, and Dementia."
- Monday, June 21
- Summer Seminar in Theory and Culture, Keller Conference Center, through June 25.
- Multiculturalism in the United States: Putting Theory Into Practice.

### Thursday, June 24

- Summer Seminar, 3:30 p.m., Freside Lounge, Nittany Lion Inn. Mark Maroncelli on "Ultrafast Dynamics in Solution."

### EXHIBITS

- Pattee:
- West Lobby Gallery:
- Exhibition of acrylic paintings by Christine Gordon, through June 30.
- East Corridor Gallery:
- Exhibition of clay works by Monika Modest, through June 30.
- Zoller Gallery:
- Crafts National 27, June 7 through July 25.
- HUB:
- Very Special Arts Pennsylvania quilt, through June 29.

### TIPS

Information Penn State  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

# Alcohol affects vision more than you might have thought

*Alcohol, even in small amounts, can interfere with the physiological control of the eye muscles and therefore, the ability to track moving objects*

The currently accepted levels of blood alcohol indicating legal drunkenness are dangerously misleading because blood alcohol levels below .10 can still significantly impair a driver's visual abilities, according to a team of University researchers.

"We found little evidence for keeping the legal limit as high as .10," said Jeffrey T. Andre, graduate student in experimental psychology. "Judging from the impact of alcohol on vision, the safest policy would be to ban driving when any alcohol is present in the blood stream."

In some European countries, the law prohibits any alcohol whatsoever in the blood stream, or the legal limit is set at a very low level, which approaches the margin of error within the evaluation system.

"Having the legal limit set at .10 sends out an implicit message that it is safe to drive as long as you are under .10," said Richard A. Tyrell, doctoral candidate in experimental psychology. "Our studies indicate that one's ability to see is severely impeded even at lower alcohol levels."

Even small amounts of alcohol can impair the measurement of vision the researchers call "dynamic contrast sensitivity" or the ability to differentiate moving, low-contrast objects from their background, Mr. Andre and Mr. Tyrell note in a recent issue of *Investigative Ophthalmology and Visual Science*.

In their study, the researchers developed a new technique for assessing visual abilities. Their conclusions were based on vision tests performed with males 21 to 30 years of age, with breath alcohol levels averaging .088. The tests measured the ability to see both stationary and moving objects.

Up until now, most studies of the effect of alcohol on vision deal with situations in which both viewer and target are stationary, as in the case of a patient reading a standard eye chart. However, alcohol consumption impairs the ability to follow moving objects far more than stationary vision.

"Outside the eye doctor's office, the viewer and object of vision are rarely both standing still," Mr. Tyrell noted. "What matters in the real world is your ability to see the environment while you or objects within your environment or both are moving. This motion requires you to move your eyes."

Alcohol, even in small amounts, can interfere with the physiological control of the eye muscles and therefore the ability to track moving objects, Mr.

Andre added.

"This has ominous implications for the driver suddenly facing a low contrast obstacle, such as a pedestrian ambling across the roadway at night or a deer dashing out from the underbrush," said Mr. Andre.

Mr. Tyrell noted, "We cannot accurately estimate our own intoxication level. For example, our data revealed that the person with the highest breath alcohol content also had the most severe visual decrement. Yet this person had the lowest perceived intoxication level. Such an individual is a dangerous driver."

In the Penn State study, 12 male subjects, who did not know the objective of the study, were tested individually in three separate sessions.

Subjects in one session were given enough alcohol to cause a breath alcohol content averaging .088. In another session, subjects were given no alcohol, while in the remaining session they received only negligible amounts of alcohol but were told they had consumed much more.



Professors Mary E. Nicholson (left) and Herschel W. Leibowitz, with graduate students Jeffrey T. Andre and Richard A. Tyrell.

Photo: Greg Grieco

## Focus on Research

Intercom  
June 8, 1993

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An Intoximeter used infrared technology to measure breath alcohol content in deep lung air samples. Participants also indicated their perceived intoxication level on a scale from 1 ("cold sober") to 10 ("drunk"). Both sets of measurements were recorded every 10-15 minutes during the experiment.

"Drivers who have been drinking do not know their own breath alcohol content, and their perceptions of their intoxication level are not accurate," Mr. Tyrell said. "As a result, they do not realize that alcohol has reduced their ability to see when they or the visual stimulus or both are in motion."

This research was supported by a grant from the AAA Foundation for Traffic Safety to the Department of Psychology under the direction of Herschel W. Leibowitz, Evan Pugh Professor of Psychology, and a grant from Penn State's Biomedical Research Support Program under the direction of Mary E. Nicholson, professor of health education.

—Paul A. Blaum

## Cooperative ventures hold promise for the future

It's not just for the sound and fury that University engineers are coming down out of their ivory towers to provide practical information to industry, it's for the extended, cooperative research in acoustics and vibration.

Members of Penn State's Center for Acoustics and Vibrations recently met with approximately 20 representatives from industry to share information and explore ideas in the

areas of sound propagation, attenuations, active and passive noise control, and other practical applications of sound.

"Acoustics and vibration are major focuses of effort here and they cover a wide spectrum of activities," said David N. Wormley, dean of the College of Engineering and professor of mechanical engineering. "We

want industry to come away with a sense of the depth of research under way at Penn State and with a sense of the resources we can provide in cooperative ventures."

In an effort to help industry, University researchers are investigating the use of acoustic holography as a tool in non-destructive analysis of carbon-carbon materials. They are also working on acoustic agglomeration

of coal fly ash in developing clean coal combustion systems. In the area of various aspects of aircraft noise reduction, researchers are developing ways to quiet the passenger compartment of automobiles.

"Hopefully we are learning how to integrate our research goals with the technology needs of industry in solving the problems of noise generation, attenuation and vibration," said Gary Koopmann, professor of mechanical engineering and director of the center.



## Safe computing reminder for University community

In recognition of Wednesday, June 9, as National Computer Virus Awareness Day, Computer and Information Systems reminds the University community of the importance of "safe computing," and of the services it offers for preventing computer virus infections.

The concept of safe computing includes a number of important considerations for protecting your software and data from destruction, including keeping and maintaining good backup copies of your programs and data.

Also suggested:

- Acquire and install a current antivirus program to prevent computer viral infection and aid in cleaning any infected disks.
- Be aware of your computer warranty and maintenance options in the event that hardware failure should occur.

Computer and Information Systems provides a number of information services to aid in dissemination of computer virus information and current versions of anti-virus software.

- An informal group of representatives from every

college, campus and many administrative departments participate in a LISTSERV-based virus information conference named L-VIRUS. The conference is open to any faculty or staff members with electronic mail access. Send electronic mail to LISTSERV@PSUV.M.PSU.EDU containing the text SUB L-Virus 'your name here' to be added to the conference.

■ The anonymous ftp server ftp.cac.psu.edu contains subdirectories with the latest versions of PC and Macintosh antivirus software. IBM-PC/PS2 antivirus software may be found in the directory /pub/dos/virus. Macintosh antivirus software may be found in the directory /pub/mac/virus. In each directory the file 00-index contains abstracts and information about each of the available antivirus software packages.

In addition, the Center for Academic Computing (CAC) provides free virus awareness seminars each semester. CAC consultants also are available to assist with computer virus information through the CAC HelpDesk (814-863-1035 or email to HELPDSEK@PSUV.M.PSU.EDU).

### OBITUARIES

**Jan Downey Amberson**, retired professor of home economics, died Jan. 19 at the age of 99.

Dr. Amberson graduated from Waynesboro High School and attended Wooster College in Ohio for two years. She received her bachelor's and master's degrees from Columbia University and her doctorate from the University of Chicago.

She was professor of home economics from 1924 to 1959. She also spent two-and-a-half years on a special teaching assignment in Taiwan.

After retiring from Penn State, and just prior to the escalation of the Vietnam War, Dr. Amberson worked with the U.S. State Department based in Thailand, leading workshops in Thailand, Cambodia, Vietnam and Laos.

**Nyla Free Falkenhagen**, retired associate professor of speech communication at Penn State Erie, The Behrend College, died May 6 at the age of 88.

A graduate of Penn State with a B.S. degree in education in 1929, she also received an M.A. degree from Penn State. She taught in the Wesleyville School and the North East School District until 1951 when she joined the Behrend faculty. She retired in 1970.

Memorials may be made to the Behrend College Library, Station Road, Erie, Pa. 16510.

**Robert C. Meyer**, meat cutter, Housing and Food Services, from Jan 12, 1959, until his retirement June 30, 1987, died May 12 at the age of 57.

### 25-YEAR AWARDS

Observing 25 years of service to the University are, from left,



**Bernard M. Bronstein**, adviser, Division of Undergraduate Studies, and **Barry Crater**, janitorial worker, Office of Physical Plant.



**George Moellenbrock**, director, Corporate and Foundation Relations, and **Brenda Grenoble**, special events assistant, both in University Development.



**E. Emory Ensore Jr.**, professor of industrial engineering, College of Engineering, and **Gary A. Young**, supervisor of shops in Operations, ARL.



### NEWS IN BRIEF

#### Subjects sought

Volunteers are being sought for a body composition study being conducted at Noll Laboratory on the University Park Campus.

The study, designed to validate a multifrequency bioelectrical impedance machine, involves four different procedures for determining body composition. These procedures are underwater weighing, bioelectrical impedance, skinfold, and TOBEC.

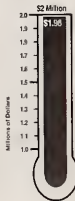
Any interested individuals should contact **Tony** at 867-7274.

### CAMPAIGN UPDATE

THE  
**MILLION  
DOLLAR**  
FACULTY • STAFF  
*Challenge*

### Nearing the top ...

Faculty and staff have committed \$1.98 million to various programs University-wide. If the \$2 million mark is reached by June 30, alumni Bill and Joan Schreyer will donate \$1 million to the Campaign for the Library.



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June 8, 1993  
Vol. 22, No. 13

### PENNSTATE



### INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone, 865-7517.

**William E. Campbell Jr.**, Editor  
**Lisa M. Rosellini**, Assistant Editor  
**Kathy Garman**, Calendar

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**Thanks!** The Campaign for the Library will get an extra \$1 million, thanks to the generosity of Penn State's faculty and staff. Above, President Thomas (front left), with Nancy Cline, dean of the University Libraries, and Joe Paterno, chairman of the Campaign, and a few of the Libraries' staff, express their gratitude to the University community for helping raise a portion of the \$6.7 million of the \$10 million goal.

Photo: Greg Grieco

## Million Dollar Challenge surpassed; Schreyers to give \$1 million bonus

Gifts and pledges from faculty and staff to the University have passed the \$2 million goal ahead of schedule, a record that also means the Campaign for the Library will get a \$1 million bonus.

Board of Trustees chairman William A. Schreyer and his wife, Joan, pledged the \$1 million to the Library if faculty and staff committed \$2 million between July 1, 1992 and June 30, 1993, for the University programs of their choice.

Proceeds for the Campaign for the Library from all sources, including the Schreyer gift, now total \$6.7 million. The campaign aims to raise \$10 million in private gifts to be added to \$14.8 million in state funds released for the project.

"I am most grateful to Penn State's faculty and staff," President Thomas said. "What they have done was not easy; they came through at a difficult time exemplifying, once again, the

See "Campaign" on Page 2

## Bookstore agreement creates new income for programs

Penn State's new 10-year management services contract with Barnes & Noble for the Penn State Bookstore system will generate additional income that the University will contribute to priority educational programs and projects.

"We're delighted with this new partnership between the nation's largest collegiate bookstore system and the nation's largest bookseller," President Thomas said.

The Penn State Bookstore system operates at 21 campuses, while Barnes & Noble serves 275 colleges and universities nationwide.

"This partnership will result in a broader range of service for our students and faculty as well as substantial new funds to support the University community at all locations," Dr. Thomas added.

A one-time initial payment of \$3 million to be earned over the first four years is planned to be allocated as follows:

- \$1,250,000 to establish a Commonwealth Campus Scholarship Fund;
- \$125,000 to establish a scholarship fund at Penn State Erie, the Behrend College;
- \$125,000 to establish a scholarship fund at Penn State Harrisburg;
- \$700,000 in contributions to The Campaign for the Library, which will build a substantial library to, and improve existing parts of, Pattee Library at the University Park Campus;
- \$700,000 in contributions to the HUB/Robeson building fund, which will

increase the size of the main student union building at University Park while adding a multicultural program facility to it;

— \$100,000 for the construction of bike paths at University Park.

"The Penn State Bookstore system spans 21 locations across the Commonwealth, and we are pleased to be able to allocate this new money in ways that will support, first and foremost, our students," Dr. Thomas said. "After all, they account for the lion's share of sales at the bookstores."

In addition to the one-time payment of \$3 million, the Penn State Bookstore system under Barnes & Noble management contract will contribute approximately \$500,000 in year one, growing to approximately \$1,500,000 by year 10, for scholarship funds for students at University Park, the Commonwealth Educational system, Penn State Behrend and Penn State Harrisburg.

"These monies are generated from annual Bookstore operating revenues," Dr. Thomas added.

Penn State signed a management services contract with Barnes & Noble on May 17, culminating a careful study process. The Bookstore Transition Task Force and the Bookstore Advisory Committee, appointed by James M. Wagner, vice president for business and operations, recommended that moving the Bookstore System to private management

See "Bookstore" on Page 2

## Former Secretary of Navy joins University ranks in July

Former Secretary of the Navy Sean O'Keefe has been appointed to the faculty and staff, effective July 1.

Mr. O'Keefe, who was named Secretary of the Navy by President Bush in July, 1992, will serve as assistant to David A. Shirley, senior vice president for research and dean of The Graduate School.

He also will hold the academic rank of professor of business administration and teach in The Smeal College of Business Administration's nationally recognized MBA program.

"We are delighted to have Sean O'Keefe join Penn State," Dr. Shirley said. "His extensive experience in the federal government with financial matters and varied management challenges will be invaluable to our research efforts and in the classroom. I'm certain that his practitioner's perspective will be of special benefit to our MBA students."

A graduate of Loyola University in New Orleans, La., Mr. O'Keefe received a master of public administration degree from Syracuse University's Maxwell School of Citizenship and Public Affairs.



Sean O'Keefe

See "O'Keefe" on Page 2

## University reaches out and touches one in three Pennsylvanians

One in three Pennsylvania households is served each year through University outreach activities.

Outreach is an area of increasing importance to the University," John A. Brighton, executive vice president and provost, said. "The fact that Penn State outreach activities are directly benefiting an individual in one of every three Pennsylvania households each year is a significant indication of the University's impact in this area."

Outreach activities at the University range from credit and noncredit instruction programs to transfer of applied research, technical assistance, public service demonstration projects, evaluation studies in a variety of areas and policy analysis services.

The breadth and diversity of these efforts have led to the creation of the University Council on Outreach and Academic Service, which is facilitating all outreach activities.

Chaired by Dr. Brighton, the Council has been meeting since September 1992. One of its first actions has been to define outreach for the University.

"The Council, which was appointed by President Thomas in September, is moving toward an accepted definition for outreach, which expresses the kinds of effort we are currently engaged in, as well as areas the University may want to investigate in the future," Dr. Brighton said.

The definition under discussion in the Council is: "Outreach promotes learning through the discovery, integration and application of knowledge and is an integral part of the University's mission. Outreach is the process of investing the knowledge of the University for the direct benefit of individuals, groups and the larger society and forms vital partnerships between the University, the Commonwealth of Pennsylvania and national and international communities. Outreach integrates teaching, research and ser-

vice and exchanges knowledge through a variety of forms, including, but not limited to, credit and non-credit instruction, applied research, technical assistance, demonstration projects, evaluation studies and policy analysis."

### *The purpose of the Council on Outreach and Academic Service is to provide a clear message of the University's quality and diversity of programs and its services to multiconstituencies in the Commonwealth, nation and world.*

The purpose of the Council is to provide a clear message of the University's quality and diversity of programs and its services to multiconstituencies within the Commonwealth, the nation and the world. It is responsible for defining, communicating and facilitating University outreach programs and enhancing the culture for outreach.

University outreach programs are based in the academic colleges and delivered through a number of decentralized units, including Cooperative Extension, Continuing Education, Office of International Programs, Office of Research and Technology Transfer, University Libraries and Office of Undergraduate Education. The Office of Computer and Information Systems, which includes the Center

for Academic Computing, Office of Telecommunications, Library Computing Services and Office of Administrative Systems, also supports outreach activities.

Among the issues the Council will consider in the future are:

- Identifying the range of outreach activities and constituencies served
- Assessing the impact of outreach programs
- Enhancing the faculty reward structure so that there is University-wide recognition of the significance of these activities, as well as increased incentives for participation
- Examining the role of technology in extending outreach resources
- Identifying faculty members who are providing leadership in outreach

In addition to Chair Brighton, members of the Council on Outreach and Academic Service include James H. Ryan, vice president and dean for continuing and distance education, who is serving as vice chair of the council; J. Gary Augustson, executive director, Computer and Information Systems; Nancy M. Cline, dean, University Libraries; Lamartine F. Hood, dean, College of Agricultural Sciences; C. Gregory Knight, vice provost and dean for Undergraduate Education; W. LaMarr Kopp, deputy vice president for International Programs; Ruth Leventhal, provost and dean, Penn State Harrisburg; Kenneth A. Thielen, chair, University Faculty Senate Subcommittee on Continuing Education; K. Jack Yost, vice president, Research and Technology Transfer; and Susan C. Youtz, chair, Senate Curricular Affairs Committee.

## Campaign

### Continued from Page 1

'can-do' Penn State spirit. We also wish to extend special thanks to the Schreyers for this generous gift, and for the way it challenged us to reaffirm our common purpose."

Head Football Coach Joe Paterno said he, too, is gratified by the overall faculty and staff response.

"They've been absolutely terrific," Coach Paterno said. "Nearly 4,000 have made gifts so far this year, which is up from approximately 3,300 a year ago. This is a classic win-win situation."

Coach Paterno, who leads the Campaign for the

Library, also said giving by faculty and staff who work in the libraries has reached a record 95 percent to date. "This figure shows the tremendous enthusiasm generated by the new addition to Pattee Library."

Bill Schreyer graduated from Penn State in 1948, and is chairman of New York-based Merrill Lynch and Co. Inc. He has been a member of the University's Board of Trustees since 1986, and was elected chairman of the trustees in January. Penn State named him a distinguished alumnus in 1979. Joan Schreyer was made an Honorary Alumna in 1991.

"The generosity of the members of the Penn State community is an inspiration to the alumni and friends of this University," Mr. Schreyer said. "Your giving sends a powerful message far beyond our campuses, and Penn State's benefactors hear that message. They take notice when faculty and staff give their own resources to this great institution."

Faculty and staff from all Penn State locations have contributed approximately \$7.2 million through the annual faculty and staff giving campaign since the 1984-85 academic year. This is the fourth time since then that total gifts and pledges exceeded \$1 million.

## O'Keefe

### Continued from Page 1

For three years prior to his appointment as Secretary of the Navy, he was comptroller of the Department of Defense. In this capacity, he served as the department's senior financial manager and was appointed by the President in January, 1991 to be the department's chief financial officer.

Previously he served on the staff of the Senate Committee on Appropriations since 1981. He assumed duties as the staff director of the Defense Appropriations Subcommittee in 1986.

Mr. O'Keefe entered public service in 1978 upon his selection as a Presidential Management Intern. In this role he was assigned to the Defense Comptroller's Office, the National Security Division at the Office of Management and Budget, and the Department of the Navy.

Before joining the Appropriations Committee staff, he served as a budget analyst at the Naval Sea Systems

A past president and current member of the Presidential Management Alumni Group, Mr. O'Keefe was a member of the 1985 Kennedy School of Government Program for National Security and International Affairs at Harvard University.

## Bookstore

### Continued from Page 1

was in the best interest of Penn State.

"We believe the contract with Barnes & Noble opens up an exciting new era for the Penn State academic community," Mr. Wagner said. "Many advantages will result from Barnes & Noble's increased buying power, as well as a higher level of service, a greater range and variety of inventory, and a more exciting bookstore atmosphere at our 21 campuses than anything our current structure would allow."

The transition process is currently

under way, and the Penn State Bookstores will open under Barnes & Noble management on Monday, June 28.

The current full-time Penn State Bookstore employees will maintain their University jobs or become Barnes & Noble employees with a benefits package similar to what they had from the University.

"We believe that current Bookstore staff will enjoy improved professional development and career opportunities under Barnes & Noble management," Mr. Wagner said.

### CARPOLETS

Additional vanpool riders wanted from Lewistown, Reedsville, and Milroy area University Park. Work 7 a.m.-3:30 p.m.

Monday through Friday. Call Bill at 717-248-4361.

## NEWS IN BRIEFS

## Faculty Staff Club

Members of Penn State Faculty Staff Club are invited to a special event in celebration of summer Viennese-style. From 6:30 to 8:30 p.m., July 13, the Nittany Lion Inn patio will feature a HUBRIGAN ABEND - outdoor dining in a Viennese vine tavern.

A dinner featuring: Liptauer cheese and rye bread, pork roast and fried Viennese chicken, potato salad, cucumber salad and cherry strudel will be served. The admission price is \$8 and tickets will be available the evening of the 13th at the Inn's dining room.

No reservations are necessary. The dress is casual. Everyone is encouraged to come and have a relaxing, enjoyable evening seeing old friends and meeting new ones.

## Information hours

The Penn State Information and Directory Assistance hours for July 5, are 8:30 a.m. to 4:30 p.m. Information and Directory Assistance will resume normal hours of 7:30 a.m. to 11 p.m. on Tuesday, July 6.

## Bookstore inventory

The Penn State Bookstore on Campus will close for inventory on Saturday, June 26. The bookstore will reopen from noon to 4 p.m. Sunday, June 27.

Summer hours for the bookstore are: 8 a.m. to 8 p.m., Monday through Thursday; Friday, 8 a.m. to 5:30 p.m.; Saturday, 9 a.m. to 5 p.m., and Sunday, noon to 4 p.m. Questions regarding inventory may be directed to Steve Cady at 863-3256.

## LIAS training

The University Libraries is offering a "hands-on" training class to help library users maximize their lias searching power and flexibility using new searching techniques.

Attending July 12 from 2 to 3:30 p.m. and learn more about searching using keywords and operators; sending electronic comments or suggestions to the Libraries; and accessing databases remotely from home or office location.

The workshop will be held in Tower Training Facility, C402 Pattee Library. Contact Sandy Stauffer at (814) 865-0401 or by electronic mail at sxs@psuiliab.psu.edu to register.

## Policing grant

Stephen D. Mastrofski, associate professor of administration of justice, has been awarded a grant of \$97,000 from the National Institute of Justice to continue his research on community policing. He currently is on leave from Penn State, serving as a Visiting Fellow at the Institute, which is the criminal justice research agency of the U.S. Department of Justice.

Dr. Mastrofski received a \$213,000 grant from the Institute in 1992 to observe police officers who are engaged in a community policing program. Community policing is the name given to a variety of strategies designed to bring the police and the community into a closer working partnership to increase public safety, reduce fear of crime, and improve the quality of life in neighborhoods.

## Special blood drive

The Centre Communities Chapter of the American Red Cross, in cooperation with the Penn State College of Engineering, will host a special blood drive June 28-29 at the Red Cross Chapter, 121 1/2 East Beaver Avenue, State College, from 10 a.m.-4 p.m. both days.

Louis Geschwindner, associate professor of architectural engineering, will kick off the drive with his 80th donation of blood, achieving the prestigious ten gallon mark. With a goal of 60 donations at this two-day event, the engineering drive will help to ensure an adequate supply of blood for patients served by the Johnstown Region of the American Red Cross over the July 4th holiday. The drive is open to non-engineering donors, as well.

The remaining summer schedule for University Park blood drives includes:

July 8\* - Materials Research Laboratory, 10 a.m.-4 p.m.;  
July 13-HUB, 11 a.m.-5 p.m.;  
July 14 - Housing and Food, 10 a.m.-4 p.m.;  
July 15 - Kern, 10 a.m.-4 p.m.;  
July 22 - Walker Bldg., 10-4 p.m.;  
August 16\* - Old Main, 10-4 p.m.  
Drives marked by an \* require an appointment. Call the Red Cross at 237-2713 for more information.

## Receipt found

A postal receipt for 90 U.S. stamps from Goalsburg was found in an Inter-Departmental envelope. To claim the receipt, contact Karen English at 865-1775.

## Conference on Rhetoric and Composition to mark twelfth year at University, July 7-10

Three hundred teachers of writing and scholars of rhetoric and composition will convene at the 12th annual Penn State Conference on Rhetoric and Composition Wednesday, July 7, through Saturday, July 10, on the University Park Campus. Participants will present research on effective writing, analyze public, scholarly, and professional argumentation, and share new instructional techniques.

Michael Leff, professor of communication studies at Northwestern, will present the keynote address at 10:30 a.m. Wednesday, July 7, in 104 Keller Conference Center. Dr. Leff, a specialist in the history and theory of rhetoric, is a nationally-known analyst of American political rhetoric.

In his address, he will trace how political texts are transformed by later writers, showing how such post-Civil War figures as Frederick Douglass, Jane Addams, and Eugene Debs made use of the writings of Abraham Lincoln in their own

speeches. The talk is titled "Knowing What to Take out of Egypt: Notes Toward a Hermeneutical Rhetoric."

Also featured at the conference are Professors Henry Giroux and Don Bialostozky. Dr. Giroux, the Waterbury Chair Professor of secondary education at Penn State, is one of the nation's leading voices for educational reform. In his talk, "Border Pedagogy, Literacy, and the Politics of Cultural Studies," he will discuss the importance of innovative reading and writing assignments for teaching high school and college students about cultural diversity. The talk is scheduled at 8:30 a.m. Thursday, July 8, in 104 Keller.

Dr. Bialostozky joined the English department this summer, having previously served as Distinguished University Professor of English at the University of Toledo. He is one of the foremost scholars whose work bridges literary and rhetorical theory, best-known for his rhetorical analyses of Wordsworth. His talk,

"Rhetoric, Dialogics, Sophistic: Rethinking the Verbal Arts," is scheduled at 4:15 p.m. Friday, July 10, in 104 Keller. All three talks are open to the public.

Panel sessions at the conference will cover a broad range of topics, from theories of rhetoric in classical Greece to training new writing teachers. Workshops will provide hands-on experience in using writing assignments to teach literature, using real-world problems to teach business writing, and new strategies for teaching style.

A special three-hour session on Saturday, July 10, will be devoted to research on computer aids for writing and learning; another three-hour session will focus on uses of narrative in literary and non-literary discourse. These sessions are limited to registered conference participants. For registration or other conference information, contact conference director Davida Charney at 865-9703.

## CQI Continuous Quality Improvement

A bi-weekly column to keep the University community updated on CQI activities.

### ■ DUPOINT PARTNERSHIP

One hundred and twenty University faculty, administrators, and staff have been invited to participate in the first TQM educational training opportunity provided through Penn State's Total Quality Forum Partnership with DuPont. On Aug. 15-18, in Wilmington, Del., DuPont will assist us as we look at both the curriculum integration and the application of total quality in administrative and academic processes. Using feedback from focus groups conducted at University Park by DuPont in April, a design team consisting of representatives from DuPont and Penn State has been meeting on a regular basis to plan the workshop. The level of interest generated by the workshop was overwhelming; it is regretful that a larger number of participants could not have attended. However, this is the first of several educational training opportunities that will be made available through the Total Quality Forum Partnership.

### ■ NEW COUNCIL MEMBERS

Three new members have been appointed to the University Council on Continuous Quality Improvement (UCCQI): Nancy Cline, dean of University Libraries; Robert Pangborn, professor of mechanical engineering and chair of the Faculty Senate; and Billie Willits, assistant vice president for human resources. The UCCQI was appointed in November 1991 to study and coordinate quality improvement initiatives across the University. The Council consists of 18 members and a chair and represents academic and administrative leadership within the institution.

### ■ NEW CQI TEAMS

A CQI team has been formed at Penn State Great Valley to study academic course scheduling for graduate students. The team sponsors are Linda Phillips Madson, Sue Seiter, and Sophia Wisniewska. The team leader is Marylou Delizia and the facilitator is Dee Bilo. Also in the Philadelphia area, a CQI team to study the process of recruiting undergraduate students to Ogontz and Delaware Campuses has been formed by sponsors Robert Dunham and Gregory Knight. The team leader is Deborah Hitchcock and the facilitator is Sophia Wisniewska.

Questions about CQI should be directed to the CQI Center, University Park, (814) 863-8721.

It's happening at Penn State Berks

# A "rebirth" of art on campus

**W**hen an artist erected a fence across a walkway at the Berks Campus two years ago as part of an outdoor sculpture exhibition, it caused quite a stir in this Penn State community — which is what art is supposed to do, according to Peter Jon Snyder, founder and organizer of the annual event.

"The piece was about decision making, so it was very appropriate that people had to choose a different path to take. But the piece caused some controversy. To me, that just means people are thinking and reacting to it," Mr. Snyder, an adjunct art professor and group leader in landscaping at the campus, said.

Now in its sixth year, the outdoor sculpture exhibit has given students, faculty, staff and tens of thousands of visitors plenty to think about. Mr. Snyder, who in 1987 was searching for an outlet to show his own sculpted works, estimates that the event annually attracts between 12,000 to 15,000 people to the central portion of campus.

The 1993 Outdoor Sculpture Exhibit kicks off on June 27 and the 13 pieces by 11 artists will remain standing for six months. During that time, some of the pieces may grow, become weathered, fade or die. But that will all be part of this year's theme of "Rebirth."

"This is the first year we will have a theme," Mr. Snyder explained. "Artists were simply given that word and asked to interpret it through their work, three-dimensionally. We have a compilation of some very interesting pieces and interpretations of that idea."

In past years, artists from as far away as Louisiana, Michigan, New Jersey and New York, as well as several from Pennsylvania, have displayed their works on the Berks Campus grounds. This year, artists will display everything from cocoon-like nylon forms spread out and dangling from tree limbs, reflecting the process of rebirth in caterpillars, to a stainless steel clock attached to 13 stainless steel uprights to illustrate the relationship time plays in the process of regeneration.

One artist has even planted a circular labyrinth, 150 feet in diameter, of six different types of corn. The corn varieties will all grow at varying heights, shapes, and sizes, and possess different coloring to weave an intricate and interesting pattern across the campus. The "fertility corn maze" will grow and change with the seasons, until in November when the exhibit is dismantled, it is nothing more than browning, dry, dead stalks.



"Spiritual Geometry," a piece by Peter Jon Snyder, was part of last year's Outdoor Sculpture Exhibition held annually at Berks Campus.

Mr. Snyder's own piece is a hulking, three-segment, steel vision of the head of his dog, Jasmine, who at one time was close to death. The towering structure, which includes a huge drill press from the 1930s, benches, flowers and stepping stones, is one of the few pieces that incorporates color.

"It's really wonderful to be able to work on such a large scale and actually have some place to exhibit it," Mr. Snyder said. "It's not like a gallery situation where you are confined."

"This outdoor exhibit always generates a mood on campus and administrators have made a real commitment to this project. There is an incredible amount of work and knowledge that needs to go into this show or else you'd end up with just pieces of art being plunked down wherever."

Instead, Mr. Snyder said he works to find a unity between the grounds, the landscape and the sculptures.

"This works out very well because I am with the maintenance department and can site everything for the artists and find out what it takes to make all these things connect," he explained. "The campus has been extremely generous in allowing me to use equipment and time to complete this project year after year."

The 11 artists to contribute works this year include: Peter Kinney, art teacher at Haverford Boys School near Philadelphia; Val Bertioia, son of world-renowned sculptor Harry Bertioia; David Cerulli, a full-time sculptor from Allentown; Liz Magno, a full-time sculptor from Bethlehem; Reed Dixon, a commercial designer of art furniture; Ted Ormal, a full-time sculptor from Kutztown; Glenn Zwegyardt, head of the sculpture department at Alfred University in New York; Bruce Chapin, an art teacher from upstate New York; Linda Cunningham, professor of sculpture at Franklin and Marshall College; George Shortess, a faculty member at Lehigh University; and Mr. Snyder.

— Lisa M. Rosellini

## Beaver Campus

# Executive officer announces retirement at month's end

David B. Otto, Penn State Beaver Campus executive officer, has announced his retirement from the University, effective June 30.

Mr. Otto has been an employee of the University for 27 years, 25 of which have been spent at Beaver Campus. From 1964 to 1966 he served as a part-time administrator for Penn State Continuing Education in New Castle. He then moved to Penn State Erie, The Behrend College and served as assistant district administrator and district administrator of continuing education. In 1968 Mr. Otto was hired as the director of continuing education at Beaver

Campus, a position he held until 1979 when he was named acting campus executive officer. In 1980 he became interim campus executive officer and was named executive officer in 1981.

Mr. Otto has been an active member of numerous civic, educational, and charitable organizations. He has been a member of the Private Industry Council of Beaver County



David B. Otto

since 1979 and has served as secretary of that organization since 1990. He has served on the Board of the United Way and has been a member of the COOP Board since 1987. He also is a member of the Beaver County Planning Commission and the Beaver Initiative for Growth (B.I.G.) Task Force.

A graduate of New Castle High School, he attended Youngstown State University for two

years. He graduated cum laude from Slippery Rock State College (now Slippery Rock University) with a bachelor of science degree in education and holds a master's degree in education from Westminster College. He also attended Kent State University under a grant from the National Science Foundation.

Prior to his employment at Penn State, Mr. Otto served as a guidance counselor, secondary math teacher, and athletic business manager in the New Castle Area Schools.

He and his wife, Sue, are the parents of eight children.

## FACULTY / STAFF ALERTS

## SERS rate change

Members who enrolled in the State Employees' Retirement System (SERS) on or after July 22, 1983, will have their contribution rate reduced from the current 6.25 percent to 5 percent beginning with the first pay in July. SERS members hired prior to July 22, 1983, currently are contributing 5 percent or less and, therefore, will not have a change in their contribution.

This change in contribution rate will not adversely affect future retirement benefits.

## Big Ten car rental contract

The Big Ten Universities Car Rental Committee has announced the award of their new car rental contract to National Car Rental. National has been named as sole supplier to the Big Ten and all National rental locations will honor the terms of the contract.

Domestic rates are as follows:

Car Type	Daily	Weekly	Monthly
ECAR Sub-compact	\$35	\$192.50	\$735
OCAR Compact	\$36	\$198	\$756
ICAR Mid-size	\$36	\$198	\$756
SCAR Full size 2-dr	\$38	\$209	\$798
FCAR Full size 4-dr	\$38	\$209	\$798
LCAR Luxury	\$50	\$275	\$1,050
YCAR Minivan	\$60	\$330	\$1,260

## CITY DIFFERENTIALS

Rental locations in the following cities or areas, including their airport, downtown, suburban and sublocations, will assess an additional fee for each rental day as follows:

- \$3.00 Per Day: Baltimore, MD; Chicago, IL; Detroit, MI; Washington, DC
- \$5.00 Per Day: Hartford, CT, and Pittsburgh, PA
- \$8.00 Per Day: Boston, MA; New York, New Jersey, and Connecticut Metro Area; Newark, NJ; and Philadelphia, PA
- \$15.00 Per Day: New York Airports (JFK, LaGuardia) and Manhattan

For rentals commencing in Manhattan all day Friday through all day Sunday, and for rentals commencing at JFK and LaGuardia airports between the hours of 1 p.m. Friday through 12:59 p.m. Sunday, current published rates, less the applicable discount, will apply.

Special Shuttle one-way rates are provided between selected city pairs that include the State College location. Those rates as well as the international rates are available through Travel Services or your Contract Travel Agency. National will provide free Lost Damage Waiver coverage on rentals at DOMESTIC locations.

National Car Rental's Emerald Club Service will be provided to University travelers with the annual fee waived.

## University establishes council to educate and prevent alcohol and other drug abuse

In an effort to heighten the awareness of alcohol and drug abuse, the University has established a Council on the Prevention of Alcohol and Other Drug Abuse to oversee continuing information efforts and prevention programs.

"Problems related to the use of alcohol and other drugs may represent the single most important threat to the University, and the use of alcohol, in particular, has been implicated in many high cost incidents within the University," Susan Kennedy, associate director of the University Health Services, said.

Top priorities of the Council are to educate the University community about the importance of addressing alcohol and other drug issues; establish an Employee Assistance Program and a Student Assistance Program with a treatment specialist; advocate resources for staff and activities that help prevent the abuse of alcohol and other drugs; investigate and suggest guidelines for limiting the marketing of alcohol and alcohol-related activities on campus; and develop information about the responsible use as well as the dangers of drug and alcohol abuse. The Council also will explore the possibilities of establishing a freshman seminar on life skills, which would include ways to prevent alcohol and other drug abuse.

Three years ago, William Asbury, vice president for Student Affairs, appointed a University-wide task force on "The Prevention of Alcohol and Other Drug Abuse" to study the University's programs and

those at other schools. Among its recommendations is that a body be established to coordinate and implement drug and alcohol awareness programs. In addition, the University, the State College Area School District and the surrounding community sponsored a series of Town-Gown Forums last year to identify the scope of the problems associated with alcohol and to identify ways of addressing those problems.

Since then, University and local community leaders have worked with apartment housing managers to implement a ban on beer kegs, which has already significantly reduced vandalism and behavioral conflicts in the apartment houses because of alcohol abuse. Last year, Life House, a substance-free living community, was established for students on campus. The University plans to build on these successes and develop other awareness programs this fall.

"The rising tide of campus violence and the loss of students, faculty, and staff to alcohol and drug abuse creates costs not only for the University but for communities and families as well," Dr. Kennedy said. "The Council intends to be very aggressive in making people aware of the costs and dangers of alcohol and drug abuse, and will work closely with other groups within the University who are also working on the problem."

The Council on the Prevention of Alcohol and Other Drug Abuse is chaired by Dr. Kennedy. Others appointed to the Council are:

Steve Armentrout, professor of mathematics; Stephanie Barone, assistant director of judicial affairs; Mike Barrett, for the Office of Mental Health and Mental Retardation; John Bove, compliance coordinator, Intercollegiate Athletics; Gail Bruce-Stanford, staff psychologist; Natalie Croll, assistant director of the Office of Health Promotion and Education; Catherine Dawson, undergraduate student; Tom Eakin, assistant vice president for campus student affairs; Gary Fosmire, associate professor of nutrition;

Carol German, assistant director of student activities; Karleen Mason, a graduate student; Aminda Porter, of On Drugs, Inc.; Chris Reber, dean of student affairs at Penn State Erie, The Behrend College; Gudney Reynolds-Gottli, graduate student; Nicole Rhode, an undergraduate student; Nancy Sassano, coordinator of faculty and staff health promotion; Stephanie Smith, undergraduate student;

Colleen Speno, coordinator in Resident Life; Richard Stegman, assistant director of student affairs at the Penn State Altoona Campus; Lee Upcraft, assistant vice president for student affairs; Deanna Waalkes, coordinator of life skills and drug prevention for student athletes; Tim Weyandt, director of occupational health program; Delmar Woodring, supervisor in University Safety; Forest Wortham, assistant director of off campus living; and Charles Yesalis, professor of health policy and administration.

## NSF grant received for family studies

The University's Department of Sociology has received a National Science Foundation Graduate Research Traineeship award totaling \$520,000 to train students in the study of families.

"This is part of NSF's new program to increase the number of doctoral students in critical emerging areas of science," Alan Booth, professor of sociology and human development, said.

Dr. Booth and Barrett A. Lee, associate professor of sociology, are co-directors of the traineeship program which begins in the fall semester. The program received NSF funding for five students.

"The NSF program attracted hundreds of proposals," Dr. Booth noted. "There were 110 applications in the social sciences alone, and of these 16

*Penn State's Sociology Department fared well — it was one of only two sociology departments, out of 110 applicants in the social sciences, to receive funding.*

resulted in grants. Besides Penn State, only one other sociology department received such an award."

The University's traineeship program is designed to provide rigorous training in the study of families over the life course.

Individual areas of study include delay of marriage, divorce and remarriage; single and adolescent parenthood; the family process from the child's perspective; intergenerational relations, fertility and cohabitation. The consequences of each of these for employment, family poverty, migration and racial and ethnic inequality also are considered.

"Students obtain in-depth training in demographic and survey research methods and a minor in applied statistics," Dr. Booth said.

Interested students should call or write Dr. Booth for more information at Department of Sociology, 201 Oswald Tower, Penn State, University Park, PA 16802.

# University Park Calendar

June 24 — July 11

## SPECIAL EVENTS

**Thursday, June 24**  
Pennsylvania Centre Stage, opening night, "Furry Girl," through July 3. Call 863-0255.  
Shaver's Creek Summer Camps: Discovery Day Camp, ages 6-11.; Adventure Camp, ages 12-13, and Discovery Leaders in Training, ages 14-17, through June 26.  
Musical Noon: Tom Long—Jazz, Fisher Plaza.  
Center for Adult Learner Services, 6 p.m., 329 Boucke Bldg. Jim Fay on "Investments and Retirement Plans."  
Ice Cream "Diversion," 7 p.m., Fisher Plaza. Simple Gifts—Folk, Acoustic. Creamery Ice Cream.  
Ice Skating "Diversion," 8 p.m., Ice Rink.  
**Friday, June 25**  
Ice Cream "Diversion," 7 p.m., Palmer Piazza. Chip Lovett Band—Jazz. Creamery Ice Cream.  
**Saturday, June 26**  
Music at Penn's Woods, 7:30 p.m., Schwab Auditorium.  
Shaver's Creek, 10 a.m., Natural History of Bear Meadows.  
**Sunday, June 27**  
Penn's Woods Chamber Concert, 3 p.m., Recital Hall, Music Bldg.  
**Monday, June 28**  
Bowling "Diversion," 7 or 9 p.m., Penn State lanes.  
**Tuesday, June 29**  
Shaver's Creek, School for Butterfly Identification and Gardening, 10:30 a.m.—2:30 p.m., every Tuesday and Thursday through July 29.  
Professional Women at Penn State, 11:45 a.m., Fizzell Room, Eisenhower Chapel. Bobby Plau on "Creating a Good Health Environment and Maintaining Your Health During the Summer Months."  
Music at Noon: Stan Shepherd—Folk, Jamaican, Fisher Plaza.  
**Wednesday, June 30**  
Penn's Woods Chamber Concert, 7:30 p.m., Recital Hall, Music Bldg.  
Summer Series: "Children are our Future," 7:30 p.m., Schwab Auditorium. Maxine Green on "Imagination, Difference, and Community: Some New Perspectives."  
Pennsylvania Centre Stage, "Arsenic and Old Lace," preview, also July 1. Call 863-0255.  
**Thursday, July 1**  
Music at Noon: Andrew Jackson—Jazz, Fisher Plaza.  
**Friday, July 2**  
Ice Cream "Diversion," 7 p.m., Palmer Piazza. Simple Gifts—Folk, Acoustic. Creamery Ice Cream.  
Pennsylvania Centre Stage, opening night, "Arsenic and Old Lace," through July 17. Call 863-0255.  
**Saturday, July 3**  
Music at Penn's Woods, 7:30 p.m., Schwab Auditorium.  
**Sunday, July 4**  
Penn's Woods Chamber Concert, 3 p.m., Recital Hall, Music Bldg.  
**Monday, July 5**  
Independence Day Holiday.  
**Wednesday, July 7**  
Central Pennsylvania Festival of the Arts, through July 11.  
Penn's Woods Chamber Concert, 7:30 p.m., Recital Hall, Music Bldg.  
**Saturday, July 10**  
Music at Penn's Woods, 7:30 p.m., Schwab Auditorium.

## PUBLIC RADIO

WPSU-FM 91.1  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.—1 p.m.  
"Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein.



Guest conductor Peter Luckert will direct a 55-piece orchestra Saturday, July 3, in Schwab Auditorium, as part of the Music at Penn's Woods summer season.

"Perspectives," 6:30 p.m. Wednesdays.  
"Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

## CONFERENCES

**Thursday, June 24**  
Leadership Training Program, 85 attendees, Nittany Lion Inn. B. Hartman, chair; C. Andersen, coordinator.  
IUFRO International Forestry Conference, 100 attendees, Nittany Lion Inn. S. Fairweather, chair; G. Peterson, coordinator.  
Baseball Day Camp, 40 attendees. J. Hindelang, chair; E. Loop, coordinator.  
Lady Lion Basketball Camp I, 175 attendees, East Halls. R. Portland, chair; J. Sinclair, coordinator.  
Swimming Camp II, 35 attendees, East Halls. B. Krimmel, chair; C. Herd, coordinator.  
Girls Volleyball Camp I, 112 attendees, East Halls. R. Rose, chair; J. Milsom, coordinator.  
Football Camp I, 550 attendees, East Halls. F. Rocco, chair; E. Loop, coordinator.  
Program for Executive Development, 35 attendees, Nittany Lion Inn, through June 25. J. Menoher, coordinator.  
Golf Camp II, 50 attendees, East Halls, through June 25. D. St. Pierre, chair; J.

Milsom, coordinator.  
UNUM Financial Leadership Development Program, 42 attendees, Nittany Lion Inn, through June 25. J. Menoher, chair.  
Communication Workers of America District 2, 85 attendees, Toltres, through June 25. D. Hinde, chair; C. Herd, coordinator.  
USA Hockey Camp, 100 attendees, Pollock Halls, through June 25. J. Battista, chair; J. Milsom, coordinator.  
Advanced Tennis Camp, 16 attendees, East Halls, through June 25. J. Borner, chair; C. Andersen, coordinator.  
Diving Camp I, 35 attendees, East Halls, through June 25. C. Brown, chair; J. Sinclair, coordinator.  
Summer Seminar on Philately, 80 attendees, Nittany Lion Inn, through June 25. P. Jehno, chair; E. Loop, coordinator.  
Women in Engineering, 24 attendees, Pollock Halls, through June 26. S. Luch, chair; N. McCord, coordinator.  
Computer Elderhostel I, 40 attendees, through June 26. J. Moore, chair; R. Maclean, coordinator.  
High School Jazz Camp, 35 attendees, through June 26. D. Yoder, chair; C. Andersen, coordinator.  
Adventure Programming, 15 attendees, through June 25. B. Ricketts, chair; J. Milsom, coordinator.  
Underwater Inspection of Bridges Short Course, 20 attendees, Nittany Lion Inn, through June 25. D. McClure, chair; W. Sterner, coordinator.  
Field Training Officers, 20 attendees, Nittany Lion Inn, through June 25. J. Sullivan, chair; E. Loop, coordinator.  
Sound and Recording Workshop, 15 attendees, through June 25. P. Kiefer, chair; J. Sinclair, coordinator.  
Elderhostel I, 40 attendees, East Halls, through June 25. J. Moore, chair; J. Sinclair, coordinator.  
Multiculturalism in the United States: Putting Theory into Practice, 150 attendees, Nittany Lion Inn, Days Inn, through June 26. C. Mulford, chair; C. Herd, coordinator.  
Jr. Olympic Shooting Camp, 32 attendees, Pollock Halls, through June 27. D. Lall, chair; J. Sinclair, coordinator.  
Underwater Acoustics, 50 attendees, Simmons/Nittany Apartments, through June 29. A. Stuart, chair; R. Maclean, coordinator.  
Summer Space Academy, 24 attendees, Hatrant Hall, through July 1. R. Devon, chair; D. Noyes, coordinator.  
**Friday, June 25**  
Advanced Play Therapy, 10 attendees, East Halls, through June 26. L. Guemey, chair; C. Andersen, coordinator.  
**Saturday, June 26**  
Piano Teachers Workshop, 10 attendees,

Nittany Suites, through June 28. T. Shaler, chair; C. Andersen, coordinator.  
Bridges to the Future, 20 attendees, Pollock Halls, through July 17. M. Secor, chair; C. Herd, coordinator.  
**Sunday, June 27**  
Swimming Camp III, 35 attendees, East Halls, through July 1. B. Krimmel, chair; C. Herd, coordinator.  
Girls Volleyball Camp II, 112 attendees, East Halls, through July 1. R. Rose, chair; J. Milsom, coordinator.  
Football Camp II, 550 attendees, East Halls, through July 1. F. Rocco, chair; E. Loop, coordinator.  
Diving Camp II, 34 attendees, East Halls, through July 1. C. Brown, chair; J. Sinclair, coordinator.  
Lady Lion Basketball Camp II, 175 attendees, East Halls, through July 1. R. Portland, chair; J. Sinclair, coordinator.  
Junior Tennis Camp, 18 attendees, East Halls, through July 1. Borner, chair; C. Andersen, coordinator.  
Golf Camp III, 40 attendees, East Halls, through July 1. D. St. Pierre, chair; J. Milsom, coordinator.  
RENEW, 20 attendees, Simmons Hall, through July 2. T. Amos, chair; W. Sterner, coordinator.  
Computer Elderhostel II, 40 attendees, through July 3. J. Moore, chair; R. Maclean, coordinator.  
Elderhostel II, 40 attendees, East Halls, through July 3. J. Moore, chair; J. Sinclair, coordinator.  
High School Keyboard, 25 attendees, through July 3. T. Shaler, chair; C. Andersen, coordinator.  
Figure Skating Camp, 50 attendees, Pollock Halls, through July 9. D. Yeagley, chair; C. Herd, coordinator.  
**Monday, June 28**  
PA Staff Development Research for Better Schools, 250 attendees, Nittany Lion Inn, through June 30. G. McCain, chair; R. Maclean, coordinator.  
POLEX/POSIT Alumni, 20 attendees, Nittany Lion Inn, through June 30. J. Horner, chair; E. Loop, coordinator.  
Middle School Show Choir Camp, 75 attendees, East Halls, through July 1. P. Kiefer, chair; J. Sinclair, coordinator.  
**Thursday, July 1**  
Governors' School for the Ag. Sciences, 71 attendees, ASI Bldg, through July 9.  
Baseball Camp, 60 attendees, East Halls, through July 5. J. Hindelang, chair; E. Loop, coordinator.  
**Monday, July 4**  
Field Hockey/Lacrosse, 100 attendees, East Halls, through July 9. C. Morett-Newman, chair; C. Herd, coordinator.  
Westling Camp I, 42 attendees, East Halls, through July 6. J. Fritz, chair; J. Milsom-Healer, coordinator.  
Diving Camp III, 35 attendees, East Halls, through July 9. C. Brown, chair; J. Sinclair, coordinator.  
Elderhostel III, 40 attendees, East Halls, through July 10. J. Moore, chair; R. Maclean, coordinator.  
Computer Intensive Math Education I & IV, 30 attendees, North Halls, through July 30. K. Heid, chair; C. Andersen, coordinator.  
**Monday, July 5**  
Cooperative Learning in Home Economics Classrooms, 14 attendees, Nittany Budget Best Western, through July 9. C. Sovich, chair; N. McCord, coordinator.

See "Calendar" on Page 7

# Calendar

Continued from Page 6

Lady Lion Basketball Camp III, 200 attendees, East Halls, through July 9. R. Portland, chair; J. Sinclair, coordinator.

Swimming Day Camp, 50 attendees, McCoy Natatorium, through July 9. B. Krimmel, chair; C. Herd, coordinator.

Boys Basketball Day Camp, 130 attendees, Rec Bldg., through July 9. B. Parkhill, chair; J. Sinclair, coordinator.

Football Camp III, 500 attendees, East Halls, through July 9. F. Rocco, chair; E. Loop, coordinator.

Program for Improving Elementary Science, 30 attendees, East Halls, through July 23. R. Nocky, chair; D. Noyes, coordinator.

Science & Engineering Research Academy, 72 attendees, Keller Bldg., through July 31. R. Pangborn, chair; D. Noyes, coordinator.

**Wednesday, July 7**  
Rhetoric and Composition, 275 attendees, West Halls, through July 10. D. Charney, chair; R. Madson, coordinator.

**Thursday, July 8**  
Pennsylvania National Debate Institute, 50 attendees, Keller Bldg., through July 24. R. Thomas, chair; W. Stemer, coordinator.

**Friday, July 9**  
Pitchers, Catchers, Hitters, 30 attendees, Baseball Field, through July 10. J. Hindelang, chair; E. Loop, coordinator.

**Saturday, July 10**  
Business, Engineering & Science Technology Summer Program, 24 attendees, Pollock Halls, through Aug. 7. D. Davis, chair; N. McCord, coordinator.

**Sunday, July 11**  
Postmaster Development Seminar, 250 attendees, Holiday Inn, through July 13. S. Pastawski, chair; J. Mison-Heater, coordinator.

College of Ag Sciences/NAADA/ACOP, 100 attendees, Nittany Lion Inn, through July 14.

Gris Lacrosse Camp, 125 attendees, East Halls, through July 15. J. Williams, chair; C. Herd, coordinator.

Alumni College '93, 100 attendees, Nittany Suites, through July 15. M. Stout, chair; R. Maclean, coordinator.

Coed Soccer Camp, 200 attendees, McKean Hall, through July 15. B. Gorman, chair; J. Sinclair, coordinator.

Foundation for Better Living Workshop #1, 55 attendees, East Halls, through July 15. D. Hall, chair; M. Johnston, coordinator.

Softball Camp I, 45 attendees, East Halls, through July 15. S. Rankin, chair; E. Loop, coordinator.

School Food Service Institute, 150 attendees, West Halls, through July 15. F. DeMico, chair; B. Impellitteri, coordinator.

Advanced High School Hockey, 100 attendees, Pollock Hall, through July 16. J. Battista, chair; J. Mison-Heater, coordinator.

Track & Field Camp, 50 attendees, East Halls, through July 16. H. Groves, chair; J. Mison-Heater, coordinator.

PGA Junior Golf Academy I, 35 attendees, East Halls, through July 16. J. Mowser, chair; E. Loop, coordinator.

Boys' Recreational Camp I, 112 attendees, East Hall, through July 16. T. Tait, chair; C. Andersen, coordinator.

Diving Camp IV, 35 attendees, East Halls, through July 16. C. Brown, chair; J. Sinclair, coordinator.

Earth & Mineral Sciences Westinghouse, 29 attendees, East Halls, through July 16. J. Lee, chair; N. McCort, coordinator.

Elderhostel IV, 40 attendees, East Halls, through July 17. J. Moore, chair; R. Maclean, coordinator.

Warning Elderhostel II, 75 attendees, East Halls, through July 17. P. Kiefer, chair; J. Sinclair, coordinator.

Nuclear Concepts, 25 attendees, Nittany Apartments, through July 30. C. Davison, chair; W. Stemer, coordinator.

Executive Management Program #89, 30 attendees, Nittany Lion Inn, through Aug. 6. J. Menoher, coordinator.

## SEMINARS

**Thursday, July 24**  
Summer Seminar, 3:30 p.m., Fireside Lounge, Nittany Lion Inn. Mark Maroncelli on "Ultrasound Dynamics in Solution."

**Thursday, July 1**  
Summer Seminar, 3:30 p.m., Fireside Lounge, Nittany Lion Inn. Nitin Samarth on "New Phenomena in Nanostructures: From Blue Lasers to Magnetic Polarons."

## EXHIBITS

**Pattee:**  
**Rare Books Room:**  
The Four Seasons: A Selection of Books Illustrating the Seasons of the Year, through July 5.

**West Lobby Gallery:**  
Graphic Images in Ink by Christine Gordon, through June 30.

Dimitri A. Kozryev's works in acrylic, crayon, gouache, ink, oil, tempera and watercolor, through July 31.

**East Corridor Gallery:**  
Exhibition of clay works by Monika Modest, through June 30.

The Eye of the Beholder, Margaret Duda, photographer, and Robert Lima, poet, through July 31.

**Lending Services Gallery:**  
Fiber Figures by Susan Naomi Bernstein, through June 30.

**Computer Graphics:** A New Direction in Art by Sylvia Barton, through July 31.

**Zeller Gallery:**  
Crafts National 27, through July 25.

**HUB:**  
Very Special Arts Pennsylvania quilt, through June 29.

Barbara J. Capparella to staff assistant V in the Office of Physical Plant.

Mary Ann R. Clarke to senior clerk, Telephone Operations, at Hershey Medical Center.

Barbara A. Coble to LPN/MEDS at Hershey Medical Center.

Michael C. Conit to operations manager at the Nittany Lion Inn.

Carole A. Daniels to staff assistant VI at Hershey Medical Center.

Daniel P. Darrow to assistant director, Student Programs, at Fayette Campus.

Rose M. Faloney to senior clerk, Telephone Operations, at Hershey Medical Center.

Dane R. Foust to assistant director,

# LECTURE

## Columbia University professor to speak June 30 at University Park

Maxine Greene, faculty member of the Teachers College, Columbia University, will present a public lecture at 7:30 p.m. June 30 in Schwab Auditorium on the University Park Campus. Sponsored by Summer Sessions, she will discuss "Imagination, Difference, and Community: Some New Perspectives."

Dr. Greene has been on the faculty of the Teachers College, Columbia University, since 1965. Her courses have dealt with philosophy and history of education, social philosophy, aesthetic education, and literature. She has held the William F. Russell Chair in the Foundations of Education since 1975 and continues as professor of philosophy and education to work in interdisciplinary fields.

Before coming to Teachers College, she taught at Montclair State College, New York University, and Brooklyn College of the City University of New York. She has held the office of president of the Philosophy of

Education Society, the American Education Studies Association, and the American Educational Research Association. She has received numerous academic awards, including the Delta Gamma Kappa Award for the "Educational Book of the Year," for *Teacher as Stranger in 1974* and two Phi Delta Kappa "Teacher of the Year" awards.

She is the author of many journal articles and chapters in essay collections, as well as *Existential Encounters for Teachers, The Public School and the Private Vision, Landscapes of Learning, and The Dialectic of Freedom*. She currently is at work on a new book, *Education and Post-Modernity*. She holds honorary degrees from Lehigh University, Hofstra University, and Bank Street College of Education. She has lectured widely at universities and educational associations throughout the United States, most recently addressing the issue of pluralism and multiculturalism.

## OBITUARIES

Lester Dean, janitorial worker A, Office of Physical Plant; from March 3, 1943, until his retirement July 1, 1969; died May 25 at the age of 86.

Harry V. Dughenbaugh, maintenance mechanic, Penn State Altoona Campus; from Nov. 1, 1959, until his retirement Jan. 1, 1982; died May 13. He was 76.

Robert C. Meyer, meat cutter, Housing and Food Services; from Jan. 12, 1959, until his retirement June 30, 1987; died May 12 at the age of 57.

Gladyes E. Neff, senior clerk, at the Library since April 7, 1954,

died March 4. She was 67.

Alice A. Royer, secretary, University Faculty Senate Office; from April 20, 1944, until her retirement Sept. 1, 1967; died May 15 at the age of 90.

Adrian C. Snellbaugh, maintenance worker-utility, Office of Physical Plant; from April 21, 1975, until April 23, 1985; died May 8 at the age of 72.

Mary L. Slegal, secretary C, Human Development; from May 15, 1967, until her retirement July 1, 1977; died May 22. She was 77.

Residence Life, in Student Affairs.

Hugh W. Fry to systems planning specialist II in the Office of Budget and Resource Analysis.

Mary E. Gates to staff assistant V in the Division of Development and University Relations.

Lisa C. Good to staff assistant VI at Hershey Medical Center.

Susan E. Getz to staff assistant V in Business Services.

Debra S. Greenleaf to administrative assistant II in Sports Medicine.

Theresa D. Haggard to respiratory therapy technician II at Hershey Medical Center.

Deborah H. Hamilton to assistant director, Judicial Affairs, in Student Services.

Penny R. Hayes to staff assistant VI at Hershey Medical Center.

Thomas K. Heater to golf assistant in Auxiliary Recreational Services.

H.C. Hosterman to lead budget planning specialist in Office of Budget and Resource Analysis.

Linda L. Hosterman to staff assistant V in Health and Human Development.

Mildred A. Hoyt to staff assistant VIII at Hershey Medical Center.

Nancy K. Iacovone to staff assistant VI at Hershey Medical Center.

Dorothy M. Jurell to staff assistant VIII at Hershey Medical Center.

Vicki L. Klusman to staff assistant VI at Hershey Medical Center.

Sharon K. Knepp to staff assistant VI at Hershey Medical Center.

## PROMOTIONS

### Staff

Joanne M. Agostino to staff assistant VI at Hershey Medical Center.

Anna L. Bathurst to staff assistant V at the Penn State Bookstore.

Connie L. Bechtold to staff assistant VI at Hershey Medical Center.

Mary B. Becker to research support associate in the College of Health and Human Development.

Jean E. Brooks to staff assistant VII in Research and Graduate School.

Jill M. Bucks to staff assistant VI at Hershey Medical Center.

Marsha L. Buxsey to staff assistant VI at Hershey Medical Center.

**"Dolls: A Retrospective"**

"Dolls: A Retrospective," an exhibit by Susan Naomi Bernstein, is on display in Pattee Library's Lending Services Gallery on the University Park Campus through June 30.

The exhibit includes dolls created from recycled clothing and objects the artist has collected while attending graduate school. About her works, Dr. Bernstein said, "When the language of dissertation writing eluded me, I returned to the language of fiber work, recreating in color, shape, and texture what I lacked in words to describe. In the expression of needle pulled through thread, I found the promise of renewal and rebirth of imagination."

She completed a Ph.D. in English at Penn State this spring. She earned a master's degree in English from Ohio University in Athens and a bachelor's degree in modern languages from Knox College in Galesburg, Illinois. In addition she has taken art courses at Ohio University, The School of the Art Institute of Chicago, and Knox College.

**The arts on Channel 3**

Center Stage, airing at 9 p.m. Monday, June 28, and at 2 p.m. Saturday, July 3, features Neil Young, The Canadian-born singer/song-writer, whose musical alliances range from Buffalo Springfield to Crosby, Stills, Nash & Young to Crazy Horse, has had enormous success as a solo artist. In this program, he performs "Long May You Run," "Like a Hurricane," "Harvest Moon," and others.

A documentary special focusing on the Washington National Cathedral, airing at 9 p.m. Wednesday, June 30, and at 1 p.m. Saturday, July 3, focuses on the Washington Cathedral—the sixth largest shrine in the world, taking viewers on a journey spanning eight decades of its rich history. Breathing cinematography and archival film footage, sacred hymns and secular music, and interviews with national leaders and theologians chronicle the creation of this magnificent 20th-century edifice.

Fireworks, country music, and the classics combine as Johnny Cash, June Carter Cash, and Mary-Capin Carpenter join popular pianist Peter Nero and Broadway entertainer Rita Moreno for the 14th annual Fourth of July concert, a Capital Fourth, broadcast live at 8 p.m. from the West Lawn of the U.S. Capitol.

Live from Lincoln Center, airing at 8 p.m. Wednesday, July 7, presents "Mostly Mozart and Mendelssohn, Too." Soprano June Anderson, pianist Andre Watts, and violinist Joshua Bell join conductor Gerard Schwarz in Lincoln Center's 27th annual performance featuring Mozart's Symphony No. 24 and Mendelssohn's Symphony No. 4 in A, Opus 90 "Italian." The concert will be simulcast live in stereo on WPSU radio, 91.1 FM.

**"Eye of the Beholder"**

"Eye of the Beholder," an exhibition of photography by Margaret Duda and poetry by Robert Lima, will be on display in Pattee Library's East Corridor Gallery July 1-31.

The exhibit consists of eighteen photo-poem montages inspired by the friendship of the artists and their longstanding admiration of each other's work. In some instances, original poems were written by Dr. Lima to accompany the photographs and in one case a photograph was taken by Ms. Duda to accompany a poem.

Ms. Duda is a free-lance writer and photographer whose works have been exhibited in several galleries, as well as published widely in periodicals, such as *The New York Times* and *The International Herald Tribune*.

Dr. Lima is a poet, critic and translator whose writings have been published in the United States and abroad and are included in numerous books on the poets Lorca, Valle-Inclan and Borges, as well as in *Mayaland* and other collections of poetry. He is a member of PEN International and the Poetry Society of America.

**Art exhibit**

An exhibition of Dimitri A. Kozyrev's works in acrylic, crayon, gouache, ink, oil, tempera and watercolor will be on display in Pattee Library's West Lobby Gallery July 1-31.

A self-trained artist, Mr. Kozyrev's works have been exhibited at Joe's Place in Winterstown, PA and The Hill Restaurant and Gallery in York, PA.

**Simple Gifts**

Simple Gifts, an acoustic music trio, will present free concerts at 7 p.m. June 24, at the Fisher Plaza and at 7 p.m. July 2 at the Palmer Museum Piazza on the University Park Campus.

The concerts are sponsored by the Graduate Association and the Ice Cream Diversion Series.

Simple Gifts performs a unique blend of folk, classical, and Renaissance music, played on violin, recorders, guitar, banjo, mandolin, psaltery, and bass viol. The group's varied repertoire includes energetic fiddle tunes, delicate Celtic airs, stately Elizabethan dances, and well known classical works.

Members of Simple Gifts are Toby Carlson, professor of meteorology, Linda Littleton, senior research programmer in the Center for Academic Computing, and Paul Oorts, a recent Ph.D. graduate in comparative literature.

**Pattee exhibit**

"Computer Graphics - A New Generation in Art," an exhibit by Sylvia Baron, will be on display in Pattee Library's Lending Services Gallery from July 1-31.

Ms. Baron uses IBM and Apple microcomputers and various software programs in creating her images which range from natural forms to historical figures. The images are created with the use of a software program in which Ms. Baron uses a stylus on an electronic tablet to paint or draw the image. "I see as much individuality in the work of each computer artist as in any other medium," she said. "To me, the computer's contribution to the arts is unique—its dimensions wide."

Ms. Baron retired from a long career of teaching in New York City and now pursues computer art and writing. Her works have been exhibited in many locations throughout New York City and Central Pennsylvania.

She holds a master of arts degree from Hofstra University in Hempstead, N.Y., and has taken art classes at the Art Students League, School of Visual Arts in New York and the Silvermine Guild in Connecticut.

**Penn's Woods**

Music at Penn's Woods, Penn State's summer chamber and orchestral music festival, will continue its 1993 season with a performance at 7:30 p.m. Saturday, July 3, at Schwab Auditorium on the University Park Campus. The 55-piece orchestra will be under the direction of guest conductor Peter Lucker.

The program will feature Jennifer's Symphony No. 2, Mozart's Concerto for Horn in E-flat major, and Dvorak's Symphony No. 7 in D minor.

Mr. Lucker is the permanent guest conductor to the Kurpfalzisches Kammerorchester Mannheim, Germany.

Guest soloist Lisa O. Bontrager, assistant professor of music, will perform Mozart's Concerto no. 3 in E-flat major. Ms. Bontrager currently serves as principal hornist of the Pennsylvania Centre Chamber Orchestra and is a member of the Pennsylvania Quintet.

Music at Penn's Woods unites gifted college, university and conservatory musicians from around the United States and provides them an opportunity to perform in a professional environment. The Festival Orchestra offers four concerts covering 12 works.

Music at Penn's Woods also offers a series of free chamber recitals that allow the musicians to perform in small ensembles for an intimate audience. Performances will take place at 3 p.m. Sunday, July 4, and 7:30 p.m. Wednesday, July 7. All chamber recitals will be held at the School of Music Recital Hall on the University Park Campus.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

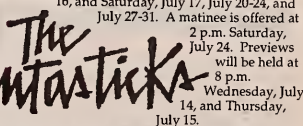
**"The Fantasticks"**

"The Fantasticks," one of New York's longest running musicals, will open Wednesday, July 14, and continue through Saturday, July 31, in The Playhouse on the University Park Campus. Directed by Walter Schoen, "The Fantasticks" concludes the 1993 Pennsylvania Centre Stage Season.

Noted for its inventive musical score, small cast and minimal staging, "The Fantasticks" is the story of Matt and Luisa, two young people drawn together as the result of a ruse created by their crafty fathers. Counting on the tendency of youth to pursue what is forbidden, the fathers invent a "feud" to inspire romance between Luisa and Matt. Songs such as "Try to Remember" and "They Were You" lend to "The Fantasticks" its whimsical mood.

"The Fantasticks" shows at 8 p.m. Friday, July 16, and Saturday, July 17, July 20-24, and July 27-31. A matinee is offered at 2 p.m. Saturday, July 24. Previews will be held at 8 p.m. Wednesday, July 14, and Thursday, July 15.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.





**AWARDS**

**Assistant professor recognized for teaching**

**Beth E. Barnes**, assistant professor of advertising in the School of Communications, has been awarded the Second Annual Excellence in Teaching Award, sponsored by the School's Constituent Alumni Society.

Needham Worldwide Advertising as a faculty intern the past two summers; and at Warner-Lambert in 1990 as part of the Advertising Education Foundation's Visiting Professor Program; as product marketing manager, United Air Specialists; preprofessional communications specialist, Corporate Advertising Department, IBM; and in the public relations office of the Field Museum of Natural History. She previously taught in the Marketing Department at Miami (Ohio) University and in the Graduate Advertising Division at Northwestern University.



**Beth E. Barnes**

The award acknowledges and honors outstanding faculty for exemplary contributions, competence, and overall dedication to the art of teaching. Nominees are judged on overall competence in the subject, ability to inspire students' participation in extracurricular activities, and success in improving the tools and/or conditions in teaching.

Dr. Barnes teaches introduction to advertising and advertising campaigns and is the faculty adviser to the Advertising Club. She writes a monthly advertising column for *Construction Marketing Today*.

She writes a monthly advertising column for *Construction Marketing Today*.

She worked in media research at DDB

Dr. Barnes received her Ph.D. in communication studies and her M.S.A. in advertising from Northwestern University, and her B.A. in English language and literature from the College of William & Mary.

**Penn Stater staff honored**

Two Penn Stater magazine staffers have captured three first-place awards and one second-place prize in the Pennsylvania Press Club's annual contest.

Donna Symmonds Clemson, editor of the University's alumni magazine, won first place for her work in the general or specialized four-color magazine category. It was the second year in a row *The Penn Stater* was judged best in that category.

Mary Ann Whitley, associate editor, received first-place awards in the magazine feature-writing category for her story, "The Case of the Talking Bugs," about forensic entomologist Ke Chung Kim, and in the magazine editing category for *The Penn Stater's* College College section.

She also placed second in the personality profile category for her article about Alumni Teaching Fellow Larry Spence.

**Two Schuylkill faculty cited for expertise**

Two Penn State Schuylkill Campus faculty members have been honored for their expertise in advising, teaching and service to students during the 1992-93 academic year.

Gordon K. Nelson, associate professor of human development, was named the 1992-93 recipient of the Schuylkill Campus Award for Outstanding Advising, as chosen by the Academic Affairs Committee.

John Siniš, assistant professor of economics, was chosen by students as recipient of the 1992-93 Student Government Association Faculty Service Award. In addition to his instructional responsibilities, Dr. Siniš serves as adviser to the campus' Omni Culture Club.

**Alumni Achievement Award bestowed on two**

Two successful graduates of the Department of Theatre Arts have received the 1993 Alumni Achievement Award of the Arts and Architecture/Performing Arts Alumni Constituent Society.

The award honors alumni who have distinguished themselves in their professions. This year's honorees are John Shearin and Jonathan Frakes.

Mr. Shearin, currently chairman and associate professor of theatre arts at East Carolina University, artistic director of the East Carolina University Playhouse and artistic director/producer at The Summer Theatre of East Carolina, earned his master of fine arts degree in 1987.

Best known for his work in the popular media, he has performed extensively in television, film and stage productions. He is a playwright as well as a performer. His play, "Dinky Dau," was produced in video format in 1992.

He is a member of Actors Equity Association, American Federation of Television and Radio Artists, Dramatists Guild, Screen Actors Guild, Society of Stage Directors and Choreographers and Southeastern Theatre Conference.

Mr. Frakes graduated from Penn State in 1974 with a bachelor of fine arts degree. He continued his education at Harvard, spending several seasons with the Loeb Drama Center. While

in New York City, he appeared in on and off Broadway productions. Currently, he plays Commander William Riker, executive officer and second in command of the Starship Enterprise, on the hit TV series, "Star Trek: The Next Generation."

Prior to his role as Riker, Mr. Frakes had recurring roles in such shows as "Falcon Crest," "Paper Dolls" and "Bare Essence," and for a year was a contract player on the daytime drama "The Doctors." His other television work includes the TV movie "The Nutcracker" and critically praised roles in the miniseries "Dream West" and "North and South."

**Professor emeritus receives highest award**

Bruce Siegenthaler, research professor emeritus of speech pathology and audiology, has received the Pennsylvania Speech-Language-Hearing Association's highest award for being a "tireless advocate for children and adults who are challenged by impairment of speech, language, or hearing," and for having "pioneered and provided continuing leadership" in developing audiology programs in Pennsylvania, among other accomplishments.

Dr. Siegenthaler, who was the state organization's first president, also holds Fellow status in the American Speech-Language-Hearing Association. He was a University faculty member from 1951 to 1985 in the former Department of Speech Pathology and Audiology — now the Department of Communication Disorders in the College of Health and Human Development. He was director of the University's Speech and Hearing Clinic from 1964 to 1979.

**Outstanding contributions earn twenty-eight staffers kudos**

Twenty-eight staff members have been honored for their outstanding contributions, efforts, and dedication in support of faculty and students in acquiring financing, executing research, and administering diverse activities that make up Penn State's research efforts.

In citing these contributions, David A. Shirley, senior vice president for research and dean of the Graduate School, said "Penn State has moved into the ranks of the foremost research universities in the world. One of the reasons for this is that we have a dedicated and talented staff."

Special citations and cash awards went to: Martha Crater, facilities and planning coordinator, Applied Research Laboratory; Susan DePonte, staff assistant VII, Dean's Research Office, Eberly College of Science; Daniel Supko, technician in the Manufacturing Systems Laboratories, Industrial and Management Systems Engineering; Shirley Rader, staff assistant VI, Institute for the Arts and Humanistic Studies.

Candidates for the annual awards are nominated by the colleges and the Intercollege Research Program.

**Excellence in Teaching**

**Assistant professor awarded national honor for teaching**

Dennis R. Hiltunen, assistant professor of civil engineering, was one of ten engineering educators nationwide to receive a Chi Epsilon Excellence in Teaching Award.

The award was presented by the Metropolitan District of Chi Epsilon, the national civil engineering honor society. Dr. Hiltunen is now a contender for the Excellence in Teaching national award.

Dr. Hiltunen holds bachelor's, master's and Ph.D. degrees in civil engineering from the University of Michigan. He joined the Engineering faculty in 1988.

APPOINTMENTS

John A. Vargas Jr., assistant professor of environmental sciences at the Penn State DuBois Campus, has been named acting campus executive officer to fill a vacancy created by the death of Donald T. Hartman in April.

Professor Vargas came to Penn State DuBois in 1969 as an instructor in environmental sciences and was promoted to assistant professor in 1975. He teaches classes in geology, geography, meteorology, and earth sciences.

He also has served the campus as chair of the DuBois Faculty Congress (1990-91), as chair of the Discipline Board, (1992), and as chair of the Committee for Internal Assessment (1991). He was a member of the Scholarship Committee, (1983-88), the Promotion and Tenure Committee (1983, 86-present), the Campus Appeals Board (1985), the Strategic Planning Committee (1983-present) and chair of its subcommittee on Baccalaureate Degree Programs (1984), the DEF Committee for Academic Excellence (1983-present), and various faculty and staff search committees.

Also at DuBois, he has participated in the Freshman Testing, Counseling and Advising Program (FTCAP), acted as a CORE advisor, and as adviser to the Circle K Club. For the past 16 years, he has served as faculty marshal during commencement ceremonies at the campus.

Professor Vargas has served in several university-wide capacities including ten years in the University Faculty Senate (1978-89), as chair of the University Senate Commonwealth Campus and Continuing Education Committee (1981-83), vice-chair of the Committee on Intrauniversity Relations, and co-chair of the Commonwealth Campus Caucus (1986-87). He has been college representative to DuBois for the College of Earth and Mineral Sciences since 1969.

He received an M.S. in geography from Penn State in 1975. He also holds an M.Ed. in earth sciences from Penn State and a B.S. in secondary education from Clarion State College (now Clarion University). He maintains memberships in the National Association of Geology Teachers, the PA Academy of Science, and the Pennsylvania Science Teacher Association.

Linda Clark has been named Division of Undergraduate Studies programs coordinator within the College of Education.

From 1991-93, Ms. Clark served as Division of Undergraduate Studies programs coordinator in the Eberly College of Science. She also has served as a Penn State FTCAP Advisor; basketball coach at Torrington High School, Torrington, CT, and assistant physical education director at Adventure Camp.

Her education includes an M.Ed. in counseling education, an M.S. in sport psychology, both from Penn State, and a B.A. in psychology from Clark University, Worcester, MA.

Robin Wagner Jones has been appointed director of legislative affairs in the Office of Governmental Affairs.

In announcing the appointment, David R. Schuckers, special assistant to the president for



John A. Vargas Jr.

governmental affairs, said Ms. Jones will serve as a liaison between the University and the Federal Government with primary emphasis on Capitol Hill.

Ms. Jones, a 1985 Penn State graduate with a B.A. degree in speech communication, has been legislative representative and deputy director of legislative affairs for Group Health Association of America, Inc., the national trade association for health maintenance organizations.

Previously, she was a legislative assistant for U.S. Congresswoman Helen Bentley and a member of the staff of the House of Representatives' Committee on Education and Labor Subcommittee on Labor-Management Relations. Prior to joining Group Health Association of America, she served for three years as a legislative policy analyst in the Office of Government Relations, Blue Cross and Blue Shield Association.

A member of the Penn State Alumni Association and Lions Legion, she also is a member of Women In Government Relations, Capitol Hill Equestrian Society, Kappa Alpha Theta, and the National Wildlife Federation.

Catherine J. Morrison, has been named director of finance and administration, pediatrics, at the Hershey Medical Center. She holds a joint appointment in the Department of Humanities where she will be participating in the education of medical students.

Ms. Morrison, who most recently served as assistant vice president for management and human resource services at the University of Maryland at Baltimore (UMAB), will be responsible for managing the business aspects of the department, including optimizing revenue and expenditures.

Ms. Morrison previously served as director of consultative services and special assistant to the vice president for administration at UMAB; as an associate at the law firms of Braemer Abelson & Hitchner, Philadelphia, and Fine & Ambrogne, Boston; as assistant to the chairman in the Department of Microbiology at The University of Texas Medical Branch, Galveston, Texas; as office manager of Bergmeyer Associates, Inc., Boston; and as assistant director and assistant grant and contracts coordinator at North Shore Community College, Beverly, Mass.

She received a B.S. in education from Oakland University, Rochester, Mich., and her J.D. from the University of Pennsylvania Law School. She is a member of both the Massachusetts and Pennsylvania Bars.

Karl M. Newell, professor of exercise and sport science and biobehavioral health, has been named head of the Department of Exercise and Sport Science.

"Dr. Newell is among the top researchers in his field in the world, and is highly regarded by his colleagues," Gerald E. McClearn, dean of the College of Health and Human Development, said. "In addition, he is an experienced department head.

"We also appreciate the job that Janet Atwood



Robin Wagner Jones

has done as acting head of the department for the past year."

Dr. Newell joined the University faculty last year after 18 years at the University of Illinois at Urbana-Champaign. He began at Illinois as an assistant professor and eventually became head of the Department of Kinesiology, a position he held from 1985 to 1992. He also held appointments in the Department of Psychology, the Bechman Institute for Advanced Science and Technology, and the Institute for Research on Human Development.

His research focuses on the coordination, control, and skill involved in human movement. His research interests cover the lifespan, and include both normal and abnormal aspects of movement.

He currently is principal investigator on a major study, funded by the National Institute of Health, focusing on such movement disorders as tardive dyskinesia (a side effect of certain neuroleptic drugs). In addition, his work on the acquisition of motor skill and control has been funded by the National Science Foundation and the Defense Advance Research Projects Agency.

In 1987 he was elected a fellow of the American Academy of Physical Education, an honor limited to 100 living academics who have contributed significantly to the field. He also received three awards for research and scholarship from the University of Illinois.

He spent six years as executive editor of the *Journal of Motor Behavior* and continues to serve on its editorial board. In addition, he is a member of the editorial board of *Ecological Psychology* and the *Journal of Sports Science*, and is associate editor of the *Journal of Human Movement Studies*. He is editor or co-editor of five books on motor behavior, the latest of which is *Variability and Motor Control* (Human Kinetics, 1993).

A native of Sussex, England, he earned his undergraduate degree at Loughborough College of Education, Leicestershire, England. He holds both master's and doctoral degrees in physical education from the University of Illinois.

Tobi L. Sky has been appointed to the newly created position of alumni/special events assistant at the Penn State Altoona Campus. Ms. Sky earned her B.A. in psychology and communications from Brown University and has an extensive background in marketing and public relations.

In her new role she will be responsible for coordinating all activities of the campus Alumni Association and all special events managed by the campus Office of University Relations. She also will handle facility requests from non-

University groups, assist in writing for *Invyleaf* campus newsletter, and serve as co-advisor for the Campus Ambassadors.

Prior to her appointment, Ms. Sky planned special events and helped assist in developing themes for food shows held by Sky Bros, Inc., an Altoona-based food distributor. She also spent time working in Historic Smithville, N.J. as special events coordinator for a themed shopping village, and continued developing marketing plans and packaging design for Two Market Two Markets, Inc. of Altoona. In addition, she established the Altoona Farmer's Market for the Main Street program, and served as co-chair on several subcommittees for the Olympic Cycling Trials held in Altoona in 1992.



Tobi L. Sky



Karl M. Newell



Linda Clark

Renbrook Summer

# Study reveals not all scientists speak the same language

Unusual texts published in the literature of evolutionary biology may show the influence of postmodernism, according to a University rhetorician.

In his presentation, "Strange Texts: Writing Science at the End of the 20th Century," Jack Selzer, associate professor of English, told attendees this year at the annual meeting of the American Association for the Advancement of Science in Boston, about his work with unique, unusual texts in the literature of evolutionary biology.

"What I am looking for is the unconventional, the strange texts that appear in the literature," said Dr. Selzer.

According to Dr. Selzer, these texts exhibit the influence of a postmodernist world on scientific discourse. Postmodernist views in general reject the idea that there is inherent meaning in the world. The unusual texts are strange in relation to conventional practices.

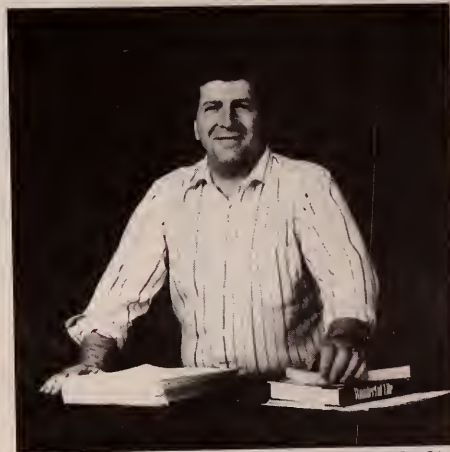
"Eventually, in any scientific

## While traditional evolutionary biology papers are sober and restrained, those touched by postmodernism are exuberant and playful.

discipline, the practitioners agree to talk in the same conventional way," he said. "A language of evolutionary biology or transportation engineering or neurobiology becomes established."

Environmental impact statements are one example of the development of disciplinary discourse.

"When environmental impact statements were first required, they exhibited varied and diverse forms



Jack Selzer with some postmodernist views

Photo: Greg Grieco

and formats," Dr. Selzer said. "Eventually, through a sort of trial and error process, the environmental impact statement tended toward a conventional form, and today, these statements are all written, more or less, in the same way."

According to Dr. Selzer, most scientists are conventional and write in the accepted style of their discipline, but those who do not, may be exhibiting a response to a postmodernist world.

"Some people, scientists included, have been influenced by postmodernism," he explained. "They're taking part in an epistemological crisis that includes a lack of faith in the western conceptual system in general and is very reflective about the nature of the scientific enterprise in particular."

Unusual, unique scientific texts show this flavor according to Dr. Selzer. These texts are open, rather than closed, and less predictable in form than conventional texts. While traditional evolutionary biology papers are sober and restrained, those touched by post modernism are exuberant and playful.

The traditional evolutionary biology paper rules out the scientist as a player in the discourse, while postmodern texts place the scientist in the forefront. And, while traditional scientific papers claim not to be rhetorical, claim not to argue or

persuade, postmodern efforts clearly have designs on the reader.

One example of an unusual text is *The Spandrels of San Marco and the Panglossian Paradigm: A Critique of the Adaptationist Programme*, by Stephen Jay Gould and R.C. Lewontin, originally published in the *Proceedings of the Royal Society of London* in 1979.

Dr. Selzer, as editor of *Understanding Scientific Prose*, is familiar with this material because the book is a compilation of various methods of criticism applied to this scientific paper.

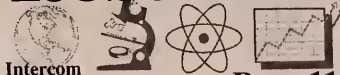
"The *Spandrels of San Marco* contains things that are not standard practice in evolutionary biology papers," Dr. Selzer said. "First, the authors employ an architectural metaphor in talking about adaptation, and second, they refer to a literary character, in the form of Dr. Pangloss in Voltaire's *Candide* to emphasize the zealotness with which members of the opposition present their views."

"They also make stylistic choices that betray a postmodern temper." Unusual papers in a discipline succeed or fail in the same way that other papers succeed or fail. *Spandrels* is Gould's most frequently cited paper and appears often in the literature of evolutionary biology and beyond.

Dr. Selzer noted that the authors of unusual papers are frequently well established, well respected scientists with good reputations.

— Andrea Elyse Messer

## Focus on Research



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### Removing metals from waste water

University researchers are improving nature by manufacturing a synthetic mineral to remove radioactive strontium and other metals from waste water.

The material, sodium-4-mica, can remove various metals from water and permanently bind them into the mica's structure. These metals include strontium-90—an artificially created component of nuclear fallout.

Mica is a mineral containing a combination of aluminum, silica, magnesium and potassium. It is found in sheets, like the pages of a book, and the sheets are bonded to each other to form a solid, layered mass.

"It is mica's layered structure that allows us to create an ion exchanger that traps strontium-90 and other metals," said Sridhar Komarneni, professor of clay mineralogy.

Although natural mica has a closed structure, researchers have been able to change the structure so that the mica will trap divalent ions like strontium-90, cobalt or copper.

### Research awards update

This graph represents an 18.45 percent increase over last year at this time.

#### STATUS OF GRANTS AND CONTRACTS

Fiscal year to date: July 1, 1992 to May 30, 1993

Area	Awards Processed
Arts & Architecture	\$118,150
Agricultural Sciences	\$15,429,577
Ben Franklin	
Franklin Center	\$3,398,761
Business Admin.	\$1,018,983
Behrend College	\$292,013
Continuing Ed.	\$3,444,948
Capital College	\$545,145
CES	\$5,030,201
Education	\$5,000,399
EMS	\$29,421,650
Engineering	\$23,957,009
H & HD	\$9,166,080
Liberal Arts	\$4,144,315
Miscellaneous	\$1,952,764
Medicine	\$30,550,055
Science	\$25,311,714
Intercollege Research Program	
Units	\$91,765,305
<b>Total</b>	<b>\$250,547,069</b>

Source: Information provided by the Office of Sponsored Programs

# Music Man

## University composer to create concerto for world famous clarinetist

Orchestral music is often neglected by contemporary music composers, but a University musician is part of a national initiative to revitalize and create new works for the symphonic genre.

Burt Fenner, professor of music in the College of Arts and Architecture, has been commissioned by the Master Musicians Recording Project to compose a clarinet concerto for nationally acclaimed clarinetist Richard Stoltzman, who will record Mr. Fenner's composition with the Warsaw Philharmonic Orchestra in 1994.

"Richard Stoltzman is one of three or four greatest living clarinetists," said Mr. Fenner. "I am very excited at the opportunity to create a concerto for him."

Many composers have been reluctant to write music for the orchestra because of rising costs. The cost of recording with a major American orchestra is estimated by Mr. Fenner to range from \$5,000 to \$8,000 a minute.

To remedy this situation, the Master Musicians Collective seeks to provide contemporary composers of diverse styles and nationalities an opportunity to record their compositions with some of the finest orchestras and conductors in the world.

The collective is making use of lower performing costs in Eastern Europe, with such respected organizations as the St. Petersburg Philharmonic, Krakow Philharmonic and Warsaw Philharmonic. Some of the world's finest soloists, including violist Walter Trampler, have been enlisted to participate in this project.

"The recording, which is a compilation of clarinet concertos written especially for Mr. Stoltzman, will receive international distribution, criticism and radio play," Mr. Fenner noted.

The Penn State composer plans to write a three-movement concerto of between 12 and 20 minutes duration. He envisions a composition featuring a slow and lyrical middle movement between outer movements of a fast and virtuosic nature. The composition will be suited to an orchestra of moderate size, which includes double or triple winds.

"I have some novel ideas I want to experiment with, and I am eager to hear them interpreted by Richard Stoltzman," he said.

Mr. Fenner will travel to Warsaw to work with the clarinetist and conductor Robert Black during the recording process.



Burt Fenner



Jean-Marc Bollag, professor of soil biochemistry and co-director of the Center of Bioremediation and Detoxification, and Guenther Stoltzky, New York University, are co-editors of *Soil Biochemistry*, Volume 8.

The book stresses the potential application of biochemical processes in soil to environmental biotechnology. Soil and water pollution are of great concern to everyone, and the current trend to reduce their effect is applying bioremediation procedures. These procedures only can be worked out after a better understanding of the basic reactions occurring in the soil.

The horizons of soil biochemistry have been vastly broadened in the past few years. Soil microorganisms and their enzymes are becoming prime candidates as alternative methods of pollution control, as recent studies indicate their usefulness in the detoxification of pesticides, heavy metals and other pollutants. The topics in this volume of *Soil Biochemistry* are diverse and emphasize the multidisciplinary nature of soil biochemistry.

Topics covered include the monitoring of introduced microorganisms in the soil environment using nucleic acid probes and antibodies; the use of white-rot fungi for bioremediative purposes; the study of interactions between xenobiotics and soil organisms, and the microbial mineralization of various compounds under anaerobic conditions.

Twelve internationally acclaimed scientists contributed to the volume which is published by Marcel Dekker, Inc.

A new book, *Evolution of Insect Pests*, edited by K.C. Kim, professor of entomology and curator, The Frost Entomological Museum, and director, Center for BioDiversity Research, and Bruce A. McPherson, assistant professor of entomology, has been published by John Wiley and Sons Inc., New York.

Michael Wolfe, assistant professor of history at the Penn State Altoona Campus, is the author of *The Conversion of Henri IV: Politicals, Power, and Religious Belief in Early Modern France*, published by Harvard Historical Studies.

*The Conversion* offers an in-depth account of the political, diplomatic, and theological dimensions of the 1593 conversion of the Protestant Henri de Navarre to Catholicism. Using pamphlets, sermons, letters, and memoranda, Dr. Wolfe traces the conversion crisis as it unfolded in the minds of the king's subjects and how it affected their loyalties and actions during the last religious wars. In his analysis, the public response to Henri IV's conversion reveals a great deal about contemporary notions of personal piety and the church, political ideals and the state, as well as social identity and obligations.

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Vol. 22, No. 34

### PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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## "Books were floating"

# Pattee hit by wave of water after main breaks



**Aftermath ...** This is only a portion of the 13,000 books which were partially soaked and are air drying in Pattee. Another 10,000 books, which were totally immersed in water, had to be frozen to halt mold growth.

Photo: Greg Grieco

## Student athlete graduation rate tops general student rate

In what amounted to a photo finish, University student athletes nosed out the general University Park student population in the latest graduation rate statistics released by the National Collegiate Athletic Association.

The rates, the third such series released by the NCAA since national "right-to-know" legislation was passed two years ago, cover the entering freshman class of 1986-87 that earned degrees within six years.

Penn State athletes had a graduation rate of 78 percent compared to 77 percent for the total student body. The contrasting rates in Division I nationally were 57 percent for student athletes and 55 percent for students overall.

The University student-athlete figure climbed by three percentage points from the NCAA report that was released in mid-May.

"We are pleased the student-athlete rate was actually superior to the figure for the undergraduate population on the University Park Campus," faculty representative John Coyle said. "This kind of effort is a marvelous reflection on our young people, our coaching staff and the academic support system that we have established to monitor and

assist the classroom performance of student athletes."

Dr. Coyle again emphasized that Penn State student athletes who complete their eligibility have a four-year graduation success rate of 90 percent. The national figure in the same category is 76 percent.

Penn State female students and student athletes had identical graduation rates of 79 percent. Male members of Nittany Lion athletic squads outperformed their counterparts in the male student population, racking up a 77 percent average compared to 75 percent.

Continuing what has been a consistent trend, African/Black American student athletes at Penn State graduated at a rate well above the national norms. The Nittany Lions' Black American athletes posted a 78 percent rate that was 34 points higher than the Division I average (44 percent).

African American male athletes at Penn State registered a perfect 100 percent for the target group compared to 41 percent for Black American male athletes across the country. Penn

See "NCAA" on Page 4

Anyone who says Pattee Library can't handle a few hundred thousand gallons of water in the basement is all wet.

About two-and-a-half hours before dawn on Friday, June 25, a 60-year-old water main broke on Curtin Road, on the University Park Campus, sending nearly 900,000 gallons of silt-laden water toward Pattee. Much of the water coursed into the West Wing loading dock and broke through ground-level windows in Central Pattee.

"When I got there, around 4 a.m., water was 2 inches deep on the second level and 18 inches deep down on the first level," Lee Stout, University archivist, said. "Books were floating."

But workers from the Office of Physical Plant were on the scene and had the water flow stopped. By 7 a.m., they had pumped out the basement and the cleanup had begun.

Nancy Cline, dean of University

Libraries, who was in New Orleans to speak at a national convention, was awakened with a phone call in her hotel room and informed of the disaster. She returned on Sunday but said Libraries staff had things well in hand.

"We have an emergency plan, and the people who were here put it into effect with no panic. Everything was steady and methodical," she said.

"The response of the employees—some of whom showed up to help that morning and stayed until the facility closed at 9 p.m. Friday, and then worked 12-hour shifts all weekend—was just phenomenal, as was the work by Physical Plant employees. Through all of this, the outpouring of support for the Libraries has been just great."

The speed and effectiveness of the response minimized long-term problems, Dean Cline said.

See "Water" on Page 3

## Festival of the Arts brings customary changes to campus

As in years past, portions of Pollock and Burrowes Roads on the University Park Campus will be closed during the Central Pennsylvania Festival of the Arts.

Pollock Road, between McAllister Building and Burrowes Road; and Burrowes Road, from West College Avenue to the Pollock intersection, was closed after 5 p.m. Wednesday, July 7, and will re-open by 7 a.m. Monday, July 12. Fraser Road will be made two-way. Parking lots normally serviced by these roads will remain open; alternate access will be provided.

In addition to the road closings, the following parking lots will be designated as "Event Parking" lots on Saturday morning, July 10; a fee will be charged. Faculty and staff who normally park in these lots should park in another open faculty-staff lot.

\* Green B - Keller Parking Terrace; \* Yellow H - Between Osmond and Frear; \* Yellow F - Eisenhower Parking Deck; \* Red A - North of Landscape West/ARL; \* Red H - Visitor lot at Noll/Walker.

**No joking ...** It's Arts Festival time again. For more information on events, consult the July issue of *Town & Gown* magazine or contact the Arts Festival office at 237-3682.

(File photo).



## Coordinator appointed for study of American Disabilities Act



Mary T. Franks

Mary T. Franks has been appointed to be the Americans with Disabilities Act (A.D.A.) self-study coordinator at the University.

In this position, she will be responsible for the director of the Office for Disability Services, with collaborative reporting relationship to the director of the Affirmative Action Office, for administration of the University's response to the A.D.A.

The self-study, already under way in several buildings and units, is being done by teams of faculty, staff and students, including individuals with disabilities, throughout the University. Data from the study are being used to identify problem areas, establish priorities and design a transition plan to achieve accessibility.

Among Ms. Franks' responsibilities will be presenting information about A.D.A. and the needs of persons with disabilities to the University community, assisting the Office of Physical Plant in evaluating University facilities for compliance with A.D.A. regulations, and assisting University units in preparing their A.D.A. self-evaluations of employment practices and program delivery.

Prior to her appointment, Ms. Franks served as coordinator of partial hospitalization program for the Clearfield-Jefferson Community Mental Center with responsibility for the planning, development, management, and evaluation of two community adult psychiatric day programs. She joined the center in 1982 and has served as community residential rehabilitation case worker, state hospital liaison/social rehabilitation specialist, and case work supervisor.

Previously, she had been a therapeutic recreation specialist at Alcona Hospital and a substitute teacher in the Philipsburg-Oscola Area School District.

A 1974 Penn State graduate with a B.S. degree, Ms. Franks will receive an M.A. degree in adult and community education from Indiana University of Pennsylvania in August. She is a member of the board of directors of Central Pennsylvania Community Action.

## Smeal College ranks second in nation for recruiting minority MBA candidates

The Smeal College of Business Administration is second only to the University of Michigan in attracting and retaining minority students in its MBA program, according to the latest edition of *Business Week's Guide to the Best Business Schools*.

The McGraw-Hill publication examined in depth business schools that *Business Week* considers to be the nation's leaders and indicated that Penn State was second overall with a 17 percent minority enrollment in its MBA program. Michigan was first with 22 percent.

"We believe business schools must move aggressively to address the changing demographic needs of the business community and the broader society," J.D. Hammond, dean of The Smeal College, said. "It is gratifying to see that Penn State's track record stacks up so well against competition."

*Business Week* biannually surveys a select group of business schools on the satisfaction of its customers—MBA graduates and companies that recruit MBAs. This rating yields a top 20, published in ranked order, and an alphabetized list of 20 runners-up—a total of only 35 percent of 268 accredited U.S. programs. The Smeal College's MBA program is among the runners-up, while Big Ten fellow school Michigan is ranked fifth in the nation.

According to Dean Hammond, The Smeal College's success in MBA diversity is due to a strong, broad-based recruitment and retention effort—an effort that is part of an overall Smeal College push which also includes required diversity studies in its new bachelor's degree program—an initiative recently recognized in *The New York Times*—and a Smeal College Diversity Task Force which oversees concrete steps to ensure openness and sensitivity in the college community.

Within the MBA program, The Smeal College diversity efforts also include special team-building activities that begin as early as students' first-year orientation. During that time, MBAs learn to understand and value individual differences and to capitalize on people's individual strengths in joint projects.

"Bringing together people of multiple heritages adds value to the educational experience one can have here," Dean Hammond said. "In a very real sense it helps students prepare for the world they will face after graduation.

"From a learning standpoint, diversity is simply good business."

**According to Dean Hammond, The Smeal College's success is due to a strong, broad-based recruitment and retention effort — part of an overall College push which includes required diversity studies in its new bachelor's degree program.**

The Smeal College's MBA minority recruitment and retention program is coordinated by Vernis M. Welton, assistant to the dean for minority affairs. The program begins with carefully targeted marketing efforts to identify and attract qualified potential students and features a structured system of support for them while they are attending Penn State. Smeal College alumni are highly involved in the entire process as is an active team of faculty and staff members.

The results are highly positive. Over the past 10 years, more than 96 percent of The Smeal College's minority MBAs have graduated.

Rounding out *Business Week's* top five in minority MBA enrollments were the University of Texas at Austin (14 percent) and Purdue University (13 percent), both runner-up schools, followed by Stanford University (12 percent), ranked seventh nationally.

## Theatre group to perform Polynesian works

The Kahurangi Theatre Company, a distinguished New Zealand Maori group, will visit the University Park Campus on Saturday, July 10, in commemoration of the International Year of Indigenous People.

Members of the company will participate in an Open Round Table on Polynesian culture and the role of Maori people in New Zealand society at 4 p.m. in the Carnegie Cinema Auditorium.

A performance in traditional and modern idioms by the Kahurangi Company will be presented at 7:30 p.m. in Schwab Auditorium. A post-performance reception honoring the company will be held in the International Programs Lounge, 222 Boucke Building.

The company's appearance is sponsored by the Central Pennsylvania Festival of the Arts, Office of International Programs, New Zealand Embassy, and the Australia-New Zealand Studies Center.

Also, in observance of the Inter-

national Year of Indigenous People, an exhibit on Papua New Guinea is on display through Aug. 4 in the Kern Gallery.

The photographic exhibition, arranged by the Australia-New Zealand Studies Center, has been made available courtesy of the Papua New Guinea Embassy and Ambassador Margaret Taylor.

Papua New Guinea acquired its independence in 1975 from Australia, with whom it continues to enjoy close economic, cultural, defense and other links.

Lying to the north of Australia, Papua New Guinea is territorially by far the largest of the Pacific Island countries, and the most generously endowed with natural resources. It also is—by a wide margin—the South Pacific region's most populous nation, numbering over 3.5 million. Its people are of Melanesian extraction, comprising about 700 distinctive cultural and language groups.



**Multicultural talk** — These internationally prominent scholars in multiculturalism and pedagogy were among the speakers at the University Summer Seminar in Theory and Culture, "Multiculturalism in the United States: Putting Theory into Practice," held at the University Park Campus. They are, from left, Houston A. Baker, University of Pennsylvania; Paul Lauter (standing), Trinity College; Amy Ling, University of Wisconsin; and Arnold Krupat, Sarah Lawrence College.

Photo: Greg Grieco

# Water

Continued from Page 1

Water-soaked books were quickly wrapped in freezer paper—to prevent them from sticking together—placed in approximately 800 galvanized milk crates loaned by Galliker's Dairy of Johnstown, and frozen to prevent damage from mold growth. "It arrests the decomposition and gives you the chance to methodically work on each book," Mr. Stout said.

In all, approximately 10,000 books were frozen. Half of these had been totally immersed. Another 13,000 books, which had been only partially soaked, were allowed to air dry thoroughly. Early estimates are that as many as 10 percent of the damaged volumes will not be salvageable. The good news is that most of these—particularly the theses and dissertations—can be replaced or are already recorded on microfilm.

**Library officials estimated that 95,000 volumes—approximately 5 percent of the facility's holdings—were either damaged or had to be moved during the cleanup.**

"There are some books," Mr. Stout said, "where the water completely dissolved the glue and the cloth cover has come off and the text block is detached from the backing. We'll be making a title-by-title decision to restore it, or buy another copy, or replace it with microfilm."

One of the areas flooded was the Literature floor (W106) in West Pattee. Mr. Stout and Dean Cline said the heavy carpeting there, however, may have prevented serious damage to the microforms collections on the level below.

"That carpet literally soaked up all the water," Mr. Stout said. "It held it and kept most of the water from dripping to the next level. "We had to rip it all out because of the danger of mold and fungal growth—and had to move 64,000 volumes to do that—but it could have been a lot worse."

Dean Cline and Mr. Stout estimated that 95,000 volumes, approximately 5 percent of the facility's holdings, were either damaged or had to be moved during the cleanup.

"We brought access to Pattee up in stages," the dean said. "And we were very much aware that this emergency had an impact at the other campuses because of the Libraries' interdependent collections."

East Pattee and the circulation area and lobby of central Pattee were kept open during the crisis. Portions of west Pattee were reopened on June 29. The remainder of the building—with exceptions necessitated by continuing clean-up and repair operations—has been reopened. Materials from closed areas are being retrieved for patrons.

No structural damage has been found, Mr. Stout said, because the basement was well-constructed and the water was not allowed to stay very long.

"We asked for the University community's understanding and cooperation and we got it," Dean Cline said. "While this was not an earth-shattering catastrophe, it was a major disaster for the Libraries. Fortunately, the people here took the right steps in the first 48 hours and prevented much worse damage from occurring."

—Doug Stanfield

## CARPOOLERS

Terry is looking for a ride from Fairbrook area to University Park. His work hours are 8 a.m.-5 p.m. Monday through Friday. Call 692-7522.

Ride needed from Bellefonte to University Park. Work hours are 7:45 a.m. to 4:45 p.m. Call Emi at 863-0825.

Bill is looking for a carpool from Tyrone to University Park. Work hours (flexible) are 7:30 a.m. to 4:30 p.m. Call 863-3007 or 684-2043 after 5:30 p.m.

## NEWS IN BRIEF

### National center

The University has been awarded, under the Applied Research Laboratory continuing contract, the task of establishing a National Center for Advanced Gear Manufacturing Technologies. The center is to be one of six Navy Centers of Excellence.

The Gear Center is the result of a five-year continuing Navy program at Penn State in thermomechanical gear processing and additional tasks in gear measurement and the science of gear technology.

The purpose of the center is to research gear and gear systems for application to Navy weapon systems and to strengthen the U.S. gear industry. This will be accomplished by developing and applying innovative technology for the manufacture and inspection—quality control—of gears and for the application of health management systems to determine and control the condition of mechanical drive systems.

### Extended care program

An on-campus School-Age Extended Care Program is being offered for children, ages 6-11, of Penn State parents at the University Park Campus. The program (three one-week sessions) will offer many activities and will run from Aug. 16 to Sept. 3.

Each week of the extended care program will have a different theme: Week one, Aug. 16-Aug. 20, "Clowning Around," week two, Aug. 23-Aug. 27, "Water Works," and week three, Aug. 30-Sept. 3, "Over, Under, and Around the Rainbow."

In order to give this opportunity to as many children as possible, each child may register for one week only. However, a child can be added to the waiting list for the other two weeks. Enrollment (30 children per week) is based on first-come/first-served. Cost is \$75.00 per child/week. Please contact Child Care Program Services in the Office of Human Resources at 865-5886 for more information.

### Families needed

Families are being sought for a taste/nutrition study to measure the acceptability of various foods in children, adolescents and their parents. To be eligible, families must comprise both parents, and at least one child in each of these age groups: 6-10 and 12-15 years.

The study will be held over the summer in the Sensory Laboratory of the Department of Nutrition on the University Park Campus. All families will be required to attend five 45-minute sessions at times most convenient for them.

## OBITUARIES

Harry L. Hamilton, laboratory animal caretaker, College of Agricultural Sciences; from Oct. 1, 1949, until his retirement Jan. 18, 1983; died May 27 at the age of 69.

Steve Kolumban, coordinator of the physical therapist assistance program and instructor in health education at the Penn State Mont Alto Campus, died June 4. He was 61.

Mr. Kolumban, who served as director of the Mont Alto program since 1986, was responsible for coordinating and teaching physical therapy courses and ensuring that the program adhered to the guidelines of the Physical Therapist Association.

Before joining the Mont Alto faculty, Mr. Kolumban lived in India for 24 years, working as physical therapist in the 1,500-bed Christian Medical College and Hospital. He returned to

India if interested, or for more information, call Cecile, Kim or Lisa at the Sensory Laboratory, 863-8689.

### Science students

Seventy-two high school students are participating in the Science and Engineering Research Academy (SERA) through July 31 at the University Park Campus.

A multi-disciplinary research program, SERA is structured to cultivate the participating high school students' interest in science and technology through hands-on experience in University laboratories. It is sponsored by the National Science Foundation's Young Scholars Program, the Penn State National Space Grant College and Fellowship Program, and the colleges of Engineering, Science, Earth and Mineral Sciences, and Agricultural Sciences.

At the Penn State Fayette Campus, science-oriented students currently enrolled in grades six through nine are taking part in a Freshman Enrichment Program (PREP) Science-Mathematics Camp through July 23.

The program, sponsored by the U.S. Department of Energy, the Eberly Foundation and the Fayette Campus, is designed to reveal the excitement of doing science and mathematics through hands-on laboratory experiments and problem solving.

### Class packet reminder

Because copyright clearance can take up to three weeks to process, faculty members using class packets for Fall 1993 are urged to place their orders with the Penn State Copy Centers as soon as possible. The Copy Centers provide superior quality copies, copyright clearance through the Copyright Clearance Center, free instructor's copies and free mailing.

The packets are distributed at a savings to students through the Penn State Bookstore on campus. A variety of formats and bindings are available and the Copy Center can accept material on either a disk or hard copy.

For more information, please call Karen Wagner at 863-0580 or Elizabeth Wilson at 863-3250. Free pick-up and delivery are available, or stop by one of the nine Copy Center locations: 107 Business Services, 122 Ag Administration, 206 Henderson Building South, 110 HUB, 20 Old Main, 116 Rackley Building, 13 Whitmore Lab, 5A Steidle or 9A Keller Conference Center.

India each summer to work in the hospital and served on its Vellore Board.

Memorial contributions may be made to the Mont Alto Campus Scholarship Fund, Penn State Mont Alto, Campus Drive, Mont Alto, Pa. 17237.

George H. Mason, residence hall maintenance worker, Housing and Food Services; from Nov. 14, 1961, until his retirement April 2, 1977; died May 25 at the age of 77.

Jeanette B. Walther, staff assistant VII, Research and Graduate School; from Sept. 16, 1974, until her death May 19. She was 59.

Geraldine L. Young, offset duplicator operator, College of Agricultural Sciences; from Dec. 13, 1963, until her retirement May 1, 1975; died May 10 at the age of 79.

# NCAA

Continued from Page 1

State's Black American female student athletes had a rate of 50 percent, just slightly below the national average of 54 percent.

For the entering class of 1986-87, the Penn State football team's rate again was around the 80 percent level. Of the 18 football players covered by the survey, 14 graduated for a success rate of 78 percent. That's only slightly below the football rate of 81 percent for the freshman entering class of 1985-86. The Division I average for football players in the time frame surveyed was 51 percent.

Penn State men's basketball players posted a rate of 67 percent, well above the Division I average figure of 44 percent. The Lady Lions basketball team's four-year average graduation rate was 64 percent compared to a national mark of 58 percent.

The most recent NCAA report eliminates the "refined" graduation rate, which took into account student athletes who left the institution in good academic standing. A new "transfer" rate tracks student athletes who entered Penn State after starting at another institution. The Nittany Lions' graduation rate for transfers was 100 percent.

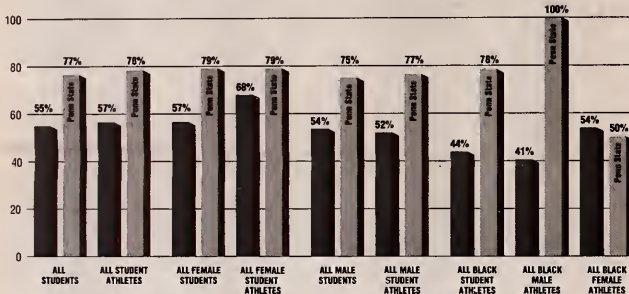
Had a "refined" rate been calculated for the entering class of 1986-87, the Penn State football graduation figure would have risen to 88.8 percent, the men's basketball to 100 percent and the women's basketball to 75 percent.

NCAA bylaws require the University to provide the graduation rate information to recruits and their parents. The NCAA provides a compilation of the data to guidance offices and high school and two-year college coaches.

## NCAA Graduation Rates

### How Penn State Compares

Six-year average graduation rates in NCAA Division I institutions for freshman class entering 1986-87



## FACULTY / STAFF ALERTS

### Office move

Auxiliary Recreation Services has moved from 304 Old Main to 104 Housing and Food Services at University Park. Telephone number is 863-9530. The campus addresses for other recreation businesses include: Bowling Lanes - Recreation Building; Tennis Club - Greenberg Indoor Sports Complex; Ice Rink - Greenberg Indoor Sports Complex; Golf Course - Blue Course Trailer; Stone Valley Recreation Area - 104 Housing and Food Services Building.

### Holidays

In order to assist University faculty and staff in personal plans for the December - New Year's holiday period this year, this announcement is being made now by the Office of Human Resources.

Christmas Day 1993 and New Year's Day 1994 fall on Saturdays. The official University holidays, therefore, will be Thursday, Friday, and Saturday, Dec. 23, 24, and 25; Monday, Tuesday, and Wednesday, Dec. 27, 28, and 29; and Saturday, Jan. 1.

University policies provide, however, that if a holiday falls on an employee's regularly scheduled day off, the employee receives another day off with pay to be used at another time. Thus, employees who normally do not work Saturdays will receive two compensatory days off for the Saturday holidays.

Thursday and Friday, Dec. 30 and 31, are not University holidays and offices ordinarily would be open those days. However, in order to provide the

maximum energy savings, University offices and facilities, except for essential services, will be closed these two days as well. Therefore, the University will be closed from the end of normal operations on Wednesday, Dec. 22, until Monday, Jan. 3, 1994.

The compensatory days earned for the Saturday holidays will be used for the work absences caused on the Dec. 30 and 31 days because of University offices and facilities not being open. Those days closed, however, will not be official University holidays for premium pay purposes. Employees in essential services who qualify for the compensatory days but who must work Dec. 30 and 31 still will have their compensatory days off for use at a later time, so they will not have lost anything.

Those who normally are scheduled off on Thursdays or Fridays who must work either or both of those days will be compensated in accordance with applicable University policy.

This special holiday schedule will not increase the number of holidays granted. It will, however, provide a generally more desirable and efficient application of the time off. The schedule will not affect the Milton S. Hershey Medical Center; normal holiday scheduling practices will continue there.

Questions regarding the above holiday schedule information should be directed to the appropriate college or department human resources representative, or director of business services at a facility away from University Park.



Continuous  
Quality  
Improvement

A bi-weekly column to keep the University community updated on CQI activities.

### ■ CQI UPDATE

#### Office of Undergraduate Education

Over 200 employees in the various units in the Office of Undergraduate Education are receiving the CQI Overview. This course offers an introduction to the philosophy of continuous quality improvement. Using examples from Penn State CQI teams, Karen Reichard, human resources specialist, covered the implementation of CQI in the Penn State setting and introduced the CQI problem solving model. Training was provided on June 18 and 21, and July 7, 8, and 12.

### ■ UCCQI SPONSORED FOCUS TEAMS

At the February 1993 retreat of the University Council on Continuous Quality Improvement (UCCQI), three areas in the University emerged as among the highest priorities for review and enhancement. Consequently, the Council established the following three focus teams:

- **Recognition and Rewards Team**—develop and ways to recognize and reward CQI team efforts by members of the Penn State community. Members are William Asbury, coach; Nancy Cline, Gail Hurley, Richard Mcnitz, Louise Sandmeyer, Billie Willis, and David Wilson.

- **Client Communications and Expectations Team**—after identifying each of the constituent groups that the University serves (for example, students, participants in specialized programs, faculty and staff, alumni, benefactors, employers, professional associations, corporations, and government), the purpose of this team is to review how the University interacts with its customers and receives feedback from each of these groups in order to enhance our processes and increase quality and customer satisfaction. Members are James Ryan, coach; Norman Bedell, Kathryn Dansky, Vickie Fong, Melvyn Klein, Gregory Lozier, Rachel Miller, David Schuckers, James Smith, Peter Weiler, Carl Wolgemuth, Howard Wray, Tom Gibson and Fred Loomis.

- **Key Processes Team**—activities include identifying five-to-ten key University processes; determining if process improvement efforts are under way for each key process; coordinating all process improvement initiatives; stimulating initiatives in unaddressed areas; and benchmarking with other institutions. Members are Gregory Geoffrey, coach; Robert Dunham, Gary Schultz, David Shirley, James Wagner, Susan Welch, David Wormley, and Del Sweeney.

### ■ TRAINING OPPORTUNITIES

Because of high enrollments for the summer sections of the Overview of CQI, an additional section has been scheduled from 8:30 to 11:30 a.m. Thursday, July 22. For more information contact the Human Resource Development Center (HRDC) at 865-8216.

Questions about CQI should be directed to the CQI Center, University Park, (814) 863-8721.



# Vitamins for Eagles

## New technologies help CES teachers soar

**W**orking diligently at a computer, William Engelbret glanced up and noticed it was time to leave class. He also noticed that no one was rushing toward the door in an effort to escape, despite the fact that they had been glued to their desks for more than seven hours and seemed unlikely to move for several more.

As associate professor of business administration at the Penn State Altoona Campus, Dr. Engelbret would love to have students so enthralled with a lecture that they couldn't bring themselves to leave the classroom. But these computer hacks are no ordinary students. In fact, they are accomplished faculty members selected as part of a program to teach the teachers how to use today's ever-changing technology.

"We decided that, if you brought strong teachers into contact with state-of-the-art computer technology, the resulting effort in the classroom would have to be something extraordinary," Jack Royer, senior associate dean for Commonwealth Educational System, said. "We unofficially call this our 'Vitamins for Eagles' program because these are folks who as teachers, are already soaring. We believe that even eagles can use some pepping up and introducing them to innovative teaching methods will enhance their classroom skills."

The "vitamins" Dr. Royer alluded to are the many and varied uses of the computer, from displaying scanned photographs to incorporating sound and moving images into a presentation.

For five intensive days this summer, 14 faculty members from various CES campuses came to University Park to discover the facts behind the hype of multi-media use in the classroom. Gone are the days of showing slides to illustrate a point. For students who cut their teeth on computer games and have an "information on demand" mentality, a multi-media lecture that incorporates sound, motion, color and interactive features — that may allow viewers to control the flow of information — promises to better attract and hold their attention.

Research has shown that humans pay the most attention to messages involving more of their senses. In a study of fifth graders conducted in 1987 by Arizona State University, the children overwhelmingly preferred performing a practice lesson using an interactive computer program rather than paper and pencil. In fact, nine out of 10 students who used the computer said they'd rather do another lesson on the computer than do nothing at all.

"Seeing things definitely increases the learning potential and comprehension," said participant H. Glenn Hughes, associate professor of wildlife technology at the Penn State DuBois Campus. Dr. Hughes envisions using the techniques he learned for taking his classes on field trips without ever leaving the classroom.

"There is no substitute for going in the field and viewing things first hand, but this type of technology gives me the opportunity to show my class wildlife habitat, mating rituals, markings, colorations or sounds associated with different species," Dr. Hughes explained.

For Judy Ozment, associate professor of chemistry at Penn State Ogontz, the use of multi-media in her classroom means that students will be able to experience scientific experiments that would otherwise be too dangerous to perform.

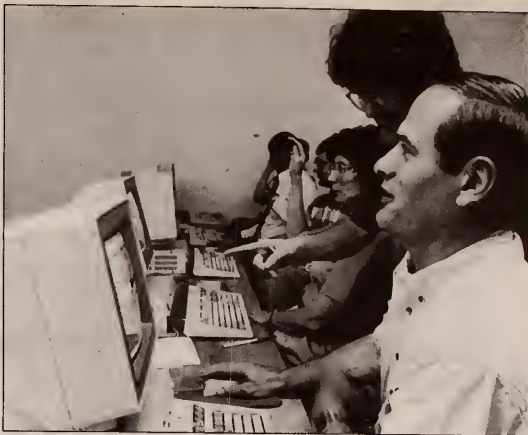
"Some experiments can't be done because of lack of ventilation or dangers involved, but through the use of computers my students will be able to see the reality of a situation rather than just hear me talk about it," she said. "With computer technology, students will be less distracted by the process of setting up slides or a movie. The computer makes all the transitions for you, and students won't see teachers fussing with VCRs."

Dr. Ozment said teaching members of the "video generation" is a challenging task that will require faculty members to keep up with the talents of their students in order to make the learning process more exciting.

"It's sad that some students go through four years and do not have a real feel for what they learn," she said. "We are dealing with a population that has a low attention span for the single media learning experience. If we can put all these single media together in a seamless chain, we can stretch the attention span of these students."

"This workshop was like a week at Disneyland with free tickets to every ride. The possibilities for increasing learning and retention are tremendous."

Libby Goodman, associate professor of special education at Penn State Great Valley, concurs, and said that she is proud to be able to stand in front of her class and show them innovations in teaching.



**Teaching the teachers ...** Instructor Ilene Schroeder gives a little assistance to Richard Dempsey, assistant professor of computer science at the Penn State Worthington Campus, during a recent workshop for accomplished CES faculty members.

Photo: Greg Grieco

"As someone who is teaching those who in turn will be teaching children, it's important that I be able to feel comfortable with a technology that is having such a tremendous impact on education," she said. "It's imperative that I model appropriate teaching practices and show my students just what is available to them."

Dr. Goodman believes technology classrooms will not only help undergraduate students, but should also increase access for disabled graduate students to University programs.

Others like Jay Breckenridge, associate professor of theatre arts at the Penn State McKeesport Campus, and Dr. Engelbret see the new technology as an aid that will help both students and faculty get through difficult or dry subjects.

"I think this technology is something to use right now, in areas where you are having trouble getting things across effectively," Dr. Engelbret said. "And believe me, you can tell when there's trouble. I'd say that any time students' eyes glaze over, you might want to consider changing something."

Dr. Engelbret envisions making "mind-numbing topics," like some accounting exercises, more enjoyable and memorable for students through the use of a computer.

He believes that, if students are able to concentrate on the process and the effects of particular actions rather than the numbers, learning will occur more readily.

"Class life will be much more enjoyable for both teachers and students. It's a one-time investment on my part to come up with a multi-media presentation that will have a long-term payoff in how my students retain and are able to use the information," Dr. Engelbret said.

For all of those involved in the workshop, jointly offered by the Center for Academic Computing, the Educational Technology Services group and the Instructional Development Program, it was an opportunity to overcome any fears they may have had about computer technology in the classroom.

Dr. Royer said CES is optimistic about the future of the workshop, which he hopes will become an annual event. The hope is to train faculty who can then effectively use the technology classrooms at their CES locations. All of the eight campuses represented at the workshop either have or will soon add technology classrooms.

Those who participated in the workshop include: Mr. Breckenridge, Drs. Engelbret, Goodman, Hughes and Ozment, as well as John Ousey, assistant professor of environmental studies, and Michael Kersnick, associate professor of business, both at Penn State Delaware County; Richard Smith, assistant professor of business administration at Penn State DuBois; Eric Stein, assistant professor of management information systems at Penn State Great Valley; Janice Margle, associate professor of engineering at Penn State Ogontz; Richard Dempsey, assistant professor of computer science, and Patricia Hinchey, assistant professor of education, both at Penn State Worthington Scranton; and Peter Orstrand, associate professor of physics, and Germaine Fotta, instructor in computer science, both at Penn State Fayette.

Instructors for the workshop were Larry Ragan, instructional designer, and Ilene Schroeder, a graduate assistant who has gone on to the University of Wisconsin.

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*"This workshop was like a week at Disneyland with free tickets to every ride."*

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## Arts Festival Exhibit

The Penn State Bookstore on Campus is presently exhibiting Arts Festival banners from the permanent collection of the Central Pennsylvania Festival of the Arts. The exhibit will continue until July 16. Selected Arts Festival posters from the past 26 years, as well as selections of books on art and crafts, also will be on display throughout the store during the same time period.

The Penn State Bookstore employees will present their second annual employees' art exhibit in display cases in the bookstore through July 16. Art and crafts in various media are included in this show.

Arts Festival hours for the Penn State Bookstore on Campus are as follows: Monday-

Thursday, 8 a.m. to 8 p.m.; Friday, 8 a.m. to 5:30 p.m.; Saturday, 9 a.m. to 5 p.m.; Sunday, noon to 4 p.m.

## Arts on Channel 3

Evening at Pops, airing at 9 p.m. Friday, July 9, on WPSX-TV, presents a "John Williams Gala Celebration." Richard Dreyfuss hosts this tribute to composer John Williams, who retires as Boston Pops conductor at the end of the season. The program features solo great Arthura Franklin, opera diva Jessye Norman, and others.

At 1 p.m. Friday, July 16, on Evening at Pops, "James Taylor,"

perennial folk and pop artist, performs a string of his hits, including "Carolina in My Mind" and "Don't Let Me Be Lonely Tonight."

Jacksonville Jazz XIII, airing at 10 p.m. Friday, July 9, pulsates with energy drawn from many genres of jazz and features saxophonist Groves Washington Jr., double Grammy-winner Yellowjackets, and a host of straight-ahead jazz luminaries.

Part of the New Orleans' R&B family, Aaron Neville is best known as a member of the Neville Brothers. Centre Stage, airing at 9 p.m. Monday, July 12, presents "Aaron Neville" performing songs from his new solo album, "The Grand Tour."

"Thousand Pieces of Gold," Nancy Kelly's critically acclaimed feature film chronicling the true story of a young Chinese woman sold by her destitute father and brought to America to be a slave during the late gold Rush, will have an encore broadcast this month at 9 p.m. Wednesday, July 14.

Starring Rosalind Chao ("Star Trek: The Next Generation") and Chris Cooper ("Lonesome Dove"), "Thousand Pieces of Gold" was a box-office success and received much praise from media critics during its American theatrical release in 1991. The film was directed by Ms. Kelly, who also served as co-producer with her husband Kenji Yamamoto.



John King Gamble, professor of political science at Penn State Erie, The Behrend College, is the author of *Teaching International Law in the 1990s* as part of the Studies in Transnational Legal Policy Series of the American Society of International Law. The first comprehensive survey of international law studies written since 1962, *Teaching International Law* was made possible by a grant from the Ford Foundation.

Dr. Gamble's book describes the status of international law teaching in American and Canadian law schools and departments of political science by analyzing research data gathered from a survey of 2,000 professors, deans, department heads, and students. The survey compares teaching in the early part of the decade to the first large-scale survey, conducted in 1912 by the Carnegie Foundation for International Peace, and the last comprehensive study, conducted in 1962.

In pre-World War I United States, about 7 percent of undergraduates and one-quarter of law school students took a course in international law. Dr. Gamble found only 2 percent of undergraduates study international law today, compared with 45 percent of law students.

"My survey establishes that international law teaching is in fine shape in law schools, but in serious trouble in departments of political science," he said, adding he's taken the results to heart. "My goal is for Behrend to lead the country in the percentage of under-

graduates who take international law courses. It's a goal that fits perfectly with the University's attempts to diversify and 'internationalize' undergraduate curricula."

Among the ten recommendations the book makes to improve the status and teaching of international law, provide international law fellowships for doctoral students in political science to ensure faculty for the future; make international law teaching a permanent, on-going activity of the American Society of International Law, and publicize the enthusiasm of international law students. "Once signed up," Dr. Gamble writes, "students tend to love the subject."

*Power and the Police Chief: An Institutional and Organizational Analysis* by John M. Magenau, associate professor of management and director of the School of Business at Penn State Erie, The Behrend College, and Raymond C. Hunt, professor of organization and human resources at SUNY Buffalo, looks at the "evolutions" of the modern police force—modernization, professionalization, unionization, and bureaucratization—that confront police chiefs with entirely new models of policing.

*Power and the Police Chief* highlights the external conflicts and internal power struggles that have made police departments high-tension workplaces. "At stake in these conflicts is the fundamental definition of police work," Dr. Magenau said. "New models of policing are emerging that move it away from role-based law enforcement toward service alternatives emphasizing situational imperatives and the discretionary nature of police work."

*Power and the Police Chief* is the tenth volume in the Studies in Crime, Law, and Justice series published by Sage Publications. Data for the book was collected over 15 years from police departments around the country.

## PROMOTIONS

### Staff

Joann E. Koithaus to graduate programs representative at Penn State Great Valley.

Marjorie A. Light to staff assistant VI at Hershey Medical Center.

Curt E. Marshall to senior financial aide coordinator in Undergraduate Programs.

Barbara A. Mathna to staff assistant VI at Hershey Medical Center.

Erelene F. May to senior clerk, Telephone Operations, at Hershey Medical Center.

Michele E. McKee to staff assistant VI at Hershey Medical Center.

Patricia C. Meade to staff assistant VI at Hershey Medical Center.

April L. Monn to staff assistant VI at Hershey Medical Center.

Renee H. Morton to staff assistant V at Hershey Medical Center.

Cynthia E. Nicosia to assistant to the director, Graduate Programs, in Research and Graduate School.

Nancy E. Opilo to senior technical specialist at Hershey Medical Center.

Kristie L. Peters to staff nurse at

Hershey Medical Center.

Kevin R. Peterson to assistant to the financial officer I in Earth and Mineral Sciences.

Lloyd A. Rhoades to manager, Mechanical and Electronics Trades, in the Office of Physical Plant.

Yvonne Riley to applications programmer/analyst in Undergraduate Programs.

Judith A. Schwarz to staff assistant V in Agricultural Sciences.

Brenda K. Smith to janitorial foreman I in the Office of Physical Plant.

Janice E. Steffy to staff assistant VIII at Hershey Medical Center.

Joy L. Struble to staff assistant VII in Research and Graduate School.

Anthony C. Vallala to computer aided drafting systems coordinator in the Office of Physical Plant.

L.V. Wade to staff assistant VII in the Office of the President.

Georgetta M. Weik to staff assistant VI at Hershey Medical Center.

Cheryl A. Wolf to staff assistant VI at Hershey Medical Center.



**Music at Penn's Woods** — Members of the orchestra rehearse for their final concert 7:30 p.m. July 10 in Eisenhower Auditorium at University Park.

# University Park Calendar

## July 8 — July 25

### SPECIAL EVENTS

**Thursday, July 8**  
Central Pennsylvania Festival of the Arts, through July 11.  
Shaver's Creek, School for Butterfly Identification and Gardening, 10:30 a.m.-2:30 p.m., every Tuesday and Thursday through July 29.  
Pennsylvania Centre Stage, "Arsenic and Old Lace," through July 17. Call 863-0255.  
**Monday, July 12**  
"Appalachian Portraits," photographer Shelby Lee Adams, 3:30 p.m., 111 Warkik Bldg.  
Bowling "Divisions," 7 p.m. and 9 p.m., Penn State Lanes.  
**Tuesday, July 13**  
Shaver's Creek Summer Camps: Discovery Day Camp, ages 6-11; Discovery Leaders in Training, ages 14-17; Adventure Camp, ages 12-13, through July 17.  
Music at Noon: Richard Victor Quintet—Contemporary, Fisher Plaza.  
**Wednesday, July 14**  
Music at Penn's Woods, 7:30 p.m., Recital Hall.  
Summer Series: "Children are our Future," 7:30 p.m., Schwab Auditorium. Vivian Paley on "The Enigma of Readiness."  
Pennsylvania Centre Stage, "The Fantasticks" preview, also July 15. Call 863-0255.  
**Thursday, July 15**  
Music at Noon: Deacons of Dixieland—Jazz, Fisher Plaza.  
Ice Skating "Divisions," 8 p.m., Ice Rink.  
**Friday, July 16**  
Ice Cream "Divisions," 7 p.m., Palmer Piazza. Music by Andrew Jackson—Jazz, Creamery Ice Cream.  
Pennsylvania Centre Stage, "The Fantasticks," opening night, through July 31. Call 863-0255.  
**Saturday, July 17**  
Shaver's Creek, 1 p.m. Bountiful Beautiful Butterflies, Session I.  
**Sunday, July 18**  
Shaver's Creek, 2 p.m. Herbal Wreath Making Workshop.  
**Monday, July 19**  
Bowling "Divisions," 7 p.m. and 9 p.m., Penn State Lanes.  
**Tuesday, July 20**  
Shaver's Creek Summer Camps: Discovery Day Camp, ages 6-11; Discovery Leaders in Training, ages 14-17, through July 24.  
Music at Noon: Gordon Law & Friends—Jazz, Fisher Plaza.  
**Wednesday, July 21**  
Summer Series: "Children are our Future," 7:30 p.m., Schwab Auditorium. Ed Gordon on "Developing Musicality in Very Young Children: Birth through One Year Old."  
**Thursday, July 22**  
Music at Noon: Bellamyra Trio—Medieval & Folk, Fisher Plaza.  
**Friday, July 23**  
Ice Cream "Divisions," 7 p.m., Palmer Piazza. Music by Arthur Goldstein—Jazz.  
**Saturday, July 24**  
Shaver's Creek, 9 a.m., Bountiful Beautiful Butterflies, Session II-Butterfly Count; 7:30 p.m. Bats: "The Reality Behind the Myth."  
**Sunday, July 25**  
Shaver's Creek, 2 p.m. Stone Valley Trail Hike.

### PUBLIC RADIO

WPSU-FM 91.1  
"All Things Considered," Monday-Friday, 5-

6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.

"Oxygen Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

### CONFERENCES

**Thursday, July 8**  
Wrestling Camp I, 42 attendees, East Halls, J. Fritz, chair; J. Milsom-Heater, coordinator.  
Diving Camp III, 35 attendees, East Halls, through July 9. C. Brown, chair; J. Sinclair, coordinator.  
Figure Skating Camp, 50 attendees, Pollock Halls, through July 9. D. Yeagley, chair; C. Herd, coordinator.  
Governors School for the Ag. Sciences, 71 attendees, ASI Bldg, through July 9.  
Cooperative Learning in Home Economics Classrooms, 14 attendees, Nittany Budget, Best Western, through July 9. C. Sovich, chair; N. McCord, coordinator.  
Lady Lion Basketball Camp III, 200 attendees, East Halls, through July 9. R. Portland, chair; J. Sinclair, coordinator.  
Swimming Day Camp, 50 attendees, McCoy Natatorium, through July 9. B. Krimmel, chair; C. Herd, coordinator.  
Boys Baseball Day Camp, 130 attendees, Rec Bldg, through July 9. B. Parkhill, chair; J. Sinclair, coordinator.  
Football Camp III, 500 attendees, East Halls, through July 9. F. Rocco, chair; E. Loop, coordinator.  
Rhetoric and Composition, 275 attendees, West Halls, through July 10. D. Charney, chair; R. Maclean, coordinator.  
Elderhostel III, 40 attendees, East Halls, through July 10. J. Moore, chair; R. Maclean, coordinator.  
Bridges to the Future, 20 attendees, Pollock Halls, through July 17. M. Secor, chair; C. Herd, coordinator.  
Program for Improving Elementary Science, 30 attendees, East Halls, through July 23. R. Nicely, chair; D. Noyes, coordinator.  
Computer Intensive Math Education I & IV, 30 attendees, North Halls, through July 30. K. Heid, chair; C. Andersen, coordinator.  
Science & Engineering Research Academy, 72 attendees, Keller Bldg, through July 31. R. Pangborn, chair; D. Noyes, coordinator.  
**Monday, July 12**  
Honey Bees: Classroom Biological Models, 11 attendees, East Halls, through July 14. M. Tomasko, chair; M. Johnston, coordinator.  
The Changing Family, 14 attendees, Friendship Inn, Best Western, through July 16. C. Sovich, chair; N. McCord, coordinator.  
Athletic Training for Coaches, 20 attendees, Keller Bldg, through July 16. B. Buckley, chair; J. Milsom-Heater.  
**Tuesday, July 13**  
Cheerleading Camp I, 500 attendees, East Halls, through July 16. J. Hallenbeck, chair; B. Sterner, coordinator.  
**Wednesday, July 14**  
Women's Club Summer Conference, 300 attendees, Nittany Lion Inn, West Halls, through July 15. L. Guernsey, chair, W. Sterner, coordinator.



"Lockerbie Do-Woh" by Stephen Sarcocio is included in the exhibition, "Crafts National '77," a juried exhibition featuring contemporary crafts on display through July 25 in Zeller Gallery at University Park.

Advanced HEC-2, 30 attendees, Hampton Inn, through July 16. A. Miller, chair; D. Noyes, coordinator.

**Friday, July 16**  
Pitchers, Catchers, Hitters, 30 attendees, Baseball Field, through July 17. J. Hindelang, chair; E. Loop, coordinator.

**Saturday, July 17**  
Film & Video Workshop, 12 attendees, through July 30. G. Patterson, chair; B. Impellitteri, coordinator.

**Sunday, July 18**  
Cheerleading Camp II, 500 attendees, East Halls, through July 21. J. Hallenbeck, chair; W. Sterner, coordinator.

Field Hockey I, 150 attendees, East Halls, through July 22. C. Morett-Newman, chair; C. Herd, coordinator.

Softball Camp II, 60 attendees, East Halls, through July 22. S. Rankin, chair; E. Loop, coordinator.

Men's Soccer Camp I, 175 attendees, McKean Hall, through July 22. B. Gorman, chair; J. Sinclair, coordinator.

PGA Junior Golf Academy II, 35 attendees, East Halls, through July 23. J. Mowbr, chair; E. Loop, coordinator.

Ice Hockey Camp III, 100 attendees, Pollock Hall, through July 23. J. Battista, chair; J. Milsom-Heater, coordinator.

Calculus Refresher, 30 attendees, Simmons Hall, through July 23. D. Bressoud, chair; R. Maclean, coordinator.

Boys Volleyball Camp II, 112 attendees, East Halls, through July 23. T. Tait, chair; C. Andersen, coordinator.  
Penn State High School Band Camp, 74 attendees, East Halls, through July 24.  
Halt, through July 21. G. Koopman, chair; C. Andersen, coordinator.

Small Water System Design Workshop, 20 attendees, Hampton Inn, through July 23. D. Long, chair; E. Loop, coordinator.

Theory to Practice, 14 attendees, Friendship Inn, Best Western, through July 23. C. Sovich, chair; N. McCord, coordinator.

Heating, Ventilation and Air Conditioning, 40 attendees, Nittany Suites, through July 23. J. Myer, chair; D. Noyes, coordinator.

National Faculty Academy for PA Teachers III, 30 attendees, Nittany Hall, through Aug. 6. B. Nicely, chair; R. Maclean, coordinator.

**Tuesday, July 20**  
Mushroom Review, 30 attendees, through July 22. D. Beyer, chair; G. Peterson, coordinator.

**Wednesday, July 21**  
Cumulative Trauma Disorders, 25 attendees, Nittany Lion Inn, through July 23. A. Freivalds, chair; J. Sinclair, coordinator.

**Friday, July 23**  
Diseases and Parasites of Honey Bees, 50 attendees, ASI and Headhouse 3. M. Tomasko, chair; M. Johnston, coordinator.

**Sunday, July 25**  
Olympic Development Soccer, 170 attendees, East Halls, through July 29. B. Gorman, chair; J. Sinclair, coordinator.

Foundation for Better Living Workshop #2, 55 attendees, East Halls, through July 29. D. Hall, chair; M. Johnston, coordinator.

Wrestling Camp II, 42 attendees, East Halls, through July 29. J. Fritz, chair; J. Milsom-Heater, coordinator.

Field Hockey II, 150 attendees, East Halls, through July 29. C. Morett-Newman, chair; C. Herd, coordinator.

Ice Hockey Camp III, 100 attendees, Pollock Hall, through July 30. J. Battista, chair; J. Milsom-Heater, coordinator.

High School Publications Workshop, 145 attendees, East Halls, through July 30. J. Rippey, chair; C. Andersen, coordinator.

### SEMINARS

**Thursday, July 15**  
Summer Seminar, 3:30 p.m., Nittany Lion Inn, Fireside Lounge. Jane Chaffron on "Hunting in the Forest: Probing the Space Between the Galaxies."

**Thursday, July 22**  
Summer Seminar, 3:30 p.m., Nittany Lion Inn, Fireside Lounge. Susan Abmayr on "Embryonic Muscle Development: Common Themes from Fruit Flies to Humans."

### EXHIBITS

**Pattie:**  
Rare Books Room:  
■ Australia: Art and Literature, through August 15.

**West Lobby Gallery:**  
Dimitri A. Kozmyev's works in acrylic, crayon, gouache, ink, oil, tempera and watercolor, through July 31.

**East Corridor Gallery:**  
The Eye of the Beholder, Margaret Duda, photographer, and Robert Lima, poet, through July 31.

**Landmark Services Gallery:**  
Computer Graphics: A New Direction in Art by Sylvia Baron, through July 31.

**Zoller Gallery:**  
Crafts National '27, through July 25.  
■ Reflects an International perspective

## Undergraduates rank sixth in science and engineering doctorates

Penn State ranked sixth among all universities in baccalaureate degree holders who went on to receive doctoral degrees in science and engineering for the years 1985 to 1990, according to a recent National Science Foundation report.

The University also ranked seventh in undergraduate women who went on to receive doctoral degrees in science and engineering during that same time period.

"Undergraduate studies are the foundation of any type of post graduate study, whether professional or doctoral degrees are sought," President Thomas said. "It is gratifying to see so many of our undergraduate alumni going on to receive doctoral degrees and to know that we are contributing so substantially to the next generation of professors and researchers."

"It is especially encouraging to see that our women graduates are so successful in pursuing advanced degrees in traditionally male-dominated fields."

Penn State's 997 graduates who received Ph.D.s between 1985 and 1990 included 252 in biological sciences, 186 in engineering, 165 in physical sciences, 130 in psychology, 118 in agricultural science, 114 in social sciences, 18 in computer science and 14 in mathematics.

Of Penn State's 274 women graduates receiving Ph.D.s, 89 were in biological sciences, 67 in psychology, 47 in social sciences, 24 in physical sciences, 22 in engineering, 21 in agricultural sciences and 4 in computer science.

The University supplying the most students for graduate study was the University of California-Berkeley with 1,526; second was Cornell University with 1,159; third, University of Illinois-Urbana-Champaign with 1,108; fourth, University of Michigan with 1,105; and fifth, Massachusetts Institute of Technology with 1,028. While MIT was

ranked fifth overall, it ranked first in providing undergraduates for Ph.D.s. in engineering with 400.

The universities supplying the most women to doctoral programs were University of California-Berkeley with 462, Cornell University with 397, Michigan State University with 391, University of California-Los Angeles with 341, University of Illinois-Urbana-Champaign with 309, University of

Wisconsin-Madison with 283 and Penn State with 274.

The only other Pennsylvania institution of higher education to rank among the top 25 institutions was the University of Pennsylvania with 566 graduates receiving Ph.D.s and a ranking of 20th. Penn ranked 10th in the number of women going on to receive doctoral degrees.

TOP 10 BACCALAUREATE-ORIGIN INSTITUTIONS  
FOR SCIENCE AND ENGINEERING DOCTORATE RECIPIENTS (1985-1990)

ALL PH.D RECIPIENTS				FEMALE PH.D RECIPIENTS			
Institution	Total	Science	Engineer	Institution	Total	Science	Engineer
Univ. of Calif. — Berkeley	1,526	1,308	218	Univ. of Calif. — Berkeley	462	438	24
Cornell	1,159	978	181	Cornell	397	380	17
Illinois — Champaign/Urbana	1,108	776	332	Michigan State	391	369	22
Univ. of Michigan	1,105	876	229	Univ. of Calif. — Los Angeles	341	328	13
MIT	1,028	628	400	Illinois — Champaign/Urbana	309	277	32
<b>PENN STATE</b>	<b>997</b>	<b>811</b>	<b>186</b>	Wisconsin — Madison	283	270	13
Wisconsin — Madison	938	806	132	<b>PENN STATE</b>	<b>274</b>	<b>252</b>	<b>22</b>
Univ. of Calif. — Los Angeles	920	805	115	Rutgers	250	240	10
Michigan State	760	652	108	Univ. of Calif. — Davis	241	239	2
Minnesota — Minneapolis	754	621	133	Univ. of Pennsylvania	236	223	13

## The Smeal College Research center explores various aspects of business

Faculty members in The Smeal College of Business Administration have launched a new research center designed to explore business leadership, corporate effectiveness and market competitiveness.

The Center for Executive and Organization Development Research (CEEDR) will be led by Albert A. Vicere, associate dean for executive education in The Smeal College, home of the internationally recognized Penn State Executive Programs.

"This center is dedicated to developing and disseminating knowledge critical to businesspeople and corporations as they compete in the dynamic global marketplace," Dr. Vicere said. "It is our goal to become the prime source for leading-edge approaches to leadership and organizational development."

CEEDR will undertake applied research in cooperation with leading business organizations worldwide, making the results available to supporting members through special forums and publications and to the broader management and academic communities through presentations and publications in recognized journals.

The center also will offer seminars in which members can explore the latest issues in leadership and organizational development with prominent scholars in the field. Regular meetings of supporting corporations will provide opportunities for valuable interchanges of viewpoints and experience. Conferences on topics of special interest also are planned.

CEEDR will publish a series of working papers, accessible by its members, as well as a newsletter and summaries of research useful for managers.

Working with Dr. Vicere will be Virginia T. Freeman, director of executive education; The Smeal College; Joseph L. Cavinato, associate professor of business logistics; Stephen F. Jablonski, associate professor of accounting; Scott Smeal, assistant professor of management and organization; and Charles C. Snow, acting chair of the Department of Management and Organization and professor of business administration.

## University embarks on partnership with Puerto Rican educational institution

Engineers working in Puerto Rico will be among the first beneficiaries of a new educational partnership between Penn State and the Ana G. Mendez University System of Puerto Rico.

A memorandum of understanding and intent was signed by both universities April 30.

"The educational values of the Ana G. Mendez University System are inspiring," Patricia A. Book, associate vice president for Continuing Education, said.

"The University System is dedicated to extending learning opportunities to people in the most remote areas of Puerto Rico. This partnership will benefit both universities by enabling Penn State to fulfill its land-grant outreach mission and by assisting Ana G. Mendez University to meet the educational needs of Puerto Rico and to play a role in economic and social development of the island."

The partnership evolved from a joint College of Engineering and Allentown Campus proposal to explore the market potential for extending engineering coursework to Puerto Rico. "We discovered a substantial industrial market for engineering education in the greater San Juan area," Dr. Book said.

Discussions between Penn State and Ana G. Mendez University led to reciprocal visits by officials from both universities in 1993. The memorandum of understanding and intent outlines the following planned activities:

- informing the Penn State and Ana G. Mendez University communities about the partnership
- further assessing the need for graduate

engineering education and continuing professional education for engineers in Puerto Rico

- determining engineering content areas and additional educational needs of the Puerto Rican corporate community, as well as planning for future collaborative educational ventures

(Other areas of interest that have been discussed include educational programming in management, administration of justice, nursing, educational telecommunications and English as a second language, as well as programming for at-risk youths.)

- defining the most appropriate delivery mechanism for meeting the education and training needs of the Puerto Rican corporate community

The Ana G. Mendez University System is the second largest private higher education system in Puerto Rico, with an enrollment of more than 17,000 students. It serves the northeast and north central regions of the country and includes the Colegio Universitario del Este (formerly Puerto Rico Junior College and now a four-year college), Universidad del Turabo (a university), Universidad Metropolitana (a university) and two privately operated educational TV stations (WMTI and WQTO).

"The education and training opportunities that the partnership will provide to Puerto Rican corporations will assist these corporations in competing more effectively in the world marketplace, especially in light of the changes that will occur as a result of the implementation of the North American Free Trade Agreement," Dr. Book said.

AWARDS

## Five faculty members from EMS honored with Wilson Award Hosler Award given to alumni who paved way for fiber optics

Wilson Awards for outstanding teaching and research achievement have been presented to EMS faculty members at the college's annual Wilson Banquet. The Wilson Awards are supported by bequests from the estate of Matthew J. Wilson, a 1918 mining engineering graduate, and his wife Anne Coghlan Wilson.



Tarasankar DebRoy

received the Adams Memorial Award from the American Welding Society for outstanding undergraduate and graduate teaching.

● The Wilson Research Award also went to Kevin P. Furlong, professor of geosciences, for his work on California tectonics. Dr. Furlong has been influential in insisting that it is necessary to look deeper than the near-surface environment in order to understand earthquake behavior. To prove his point, he has developed a three-dimensional geodynamic model



Kevin P. Furlong

and applied it to the San Andreas Fault System of Northern California, resulting in a number of important insights into earthquake hazards and a major field experiment to test his hypotheses.



Diana Liverman

change, and is particularly interested in social vulnerability and the impacts of drought, land reform, and technology on agricultural systems in Mexico. In 1991, she received a Mitchell International Prize in Sustainable Development.

● Digby Macdonald, professor of materials science and engineering and director of the Center for Advanced Materials, received the Wilson Teaching Award for his outstanding teaching of thermodynamics and advanced electrochemistry. Dr. Macdonald, a recent recipient of major research awards in electrochemistry and corrosion science, was praised by students for incorporating the latest research findings in his class instruction. He



Digby Macdonald

also was cited for his efforts to develop the writing skills of foreign graduate students associated with the center.

● Jon M. Nese, assistant professor of environmental science at the Penn State Beaver Campus, received the Wilson Award for Outstanding Teaching through the enthusiastic endorsement of campus freshmen and sophomores. Dr. Nese teaches introductory meteorology and earth science courses and conducts research in forecast verification and measures of chaos and atmospheric predictability. He also works as the weekend meteorologist for WFJM-TV in Youngstown, Ohio, and is a frequent contributor to "Weather World," on PBS-TV.



Jon M. Nese

Also made at the Wilson Banquet was presentation of the Charles L. Hosler Alumni Scholar Medal, an award to recognize outstanding research and scholarly achievement by graduates of the college. The award was established by the College of Earth and Mineral Sciences in 1992 to honor the career achievements of Dr. Hosler, the college's eleventh dean.

● The 1993 Hosler Medal was presented to John B. MacChesney, who received his Ph.D. in geochemistry from Penn State in 1959. In 30 years at AT&T Bell Laboratories, Dr. MacChesney has had many notable research achievements, but none so great as his development in the early 1970s of the crucial process for fabricating pure light-guiding glass fibers. This invention gave birth to fiber optics that are the foundation of today's high-speed telecommunications systems.

## Retired teacher receives alumni service award

Suzanne Scurfleed Hess, a retired music and elementary education teacher in the State College Area School District, has received the 1993 Philip Mitchell Alumni Service award from the Penn State Alumni Association.

The award, established in 1980 by Elizabeth and Philip P. Mitchell of State College, recognizes an alumnus, alumna or friend who has contributed in the area of public service by sharing or volunteering time, talents or resources on behalf of the University.

Suzanne Scurfleed Hess received a B.S. degree in 1951 and a M.Ed. degree in 1953, both from Penn State.

She is being recognized for her continued promotion of the arts in the community. Her activities include serving on the boards of Pennsylvania Centre Stage, Penn State Festival Theatre and the Music Academy, where she also served as board president. She also was active in State College Community Theatre, Central Pennsylvania Festival of the Arts, State College Choral Society, Madrigal Singers and the St. Andrews Episcopal Church, where she directed the choir.

Among her other civic activities was serving as a volunteer for the Literacy Council, Headstart, Centre Community

Hospital, Keystone Reading Program, and as chair of the State College Area School District In-Service Program.

At Penn State, Ms. Hess was a board member and served as president of the College of Arts and Architecture/Performing Arts Constituent Alumni Society, the College of Education Alumni Society and the Chapel Choir Alumni; and a member of the Alumni Council, National Education Association and the Pennsylvania State Education Association, of which she was board treasurer.

She and her husband, James E. Hess, a 1951 Penn State graduate in engineering, are now residents of Pinehurst, N.C., but frequently visit the Centre Region area.

The recipient of the Philip Mitchell Award is able to designate a University program to receive a \$1,000 gift from the earning of an endowment fund established by the Mitchells. Ms. Hess has selected to support the creative projects of Bruce Trinkle, associate professor of music, who will be working on two original choral works, one to celebrate the reopening of the Palmer Museum of Art and the second to celebrate the upcoming centennial of the Borough of State College.

## "Outstanding New Professional" named

Judith Curley, student development coordinator for volunteer services in Student Affairs, has received the 1993 "Outstanding New Professional Award" from the Pennsylvania College Personnel Association (PCPA).

The award recognizes a PCPA member who has been employed in student affairs for up to five years, and who has made a significant contribution to the profession.

Ms. Curley, a Ph.D. candidate in the University's Higher Education Program, has served three years on PCPA's executive board, as chair of the Legislative and Affirmative Action Committees.

## Service as teacher and coach recognized

James A. Karwowski, assistant professor of exercise and sport science and coach of the men's baseball team at Penn State Beaver Campus, has received the Robert J. Scannell Award. The award, named for the former dean of the College of Health and Physical Education, is given in recognition of outstanding coaching and teaching by a faculty member in the Department of Exercise and Sport Science.

Mr. Karwowski also is the recipient of nine Penn State Commonwealth Campus Coach of the Year Awards. In 1991 he served on the twelve-member selection committee for the National Olympic Baseball Team Trials and has been instrumental in the development of the baseball program for the Keystone Games, Pennsylvania's Olympic-style summer sports festival.

He holds a bachelor's degree and a master's degree in physical education from West Virginia University.

APPOINTMENTS

Sally Atwood and Catherine Grigor have been appointed account specialists in the Continuing Education Office of Marketing Communications.

In their positions, they help develop and implement marketing plans for a variety of Continuing Education programs University-wide.



Sally Atwood

Ms. Atwood was coordinator of public information for the College of Arts and Architecture through March 1991. In that position, she was responsible for publicity, public relations and publications for the college and for University Arts Services. Most recently, she has been a freelance editor and writer in the State College area and co-owner/manager of a small business in Colorado.



Catherine Grigor

She holds a bachelor's degree in English from Syracuse University and a master's in English with an emphasis in fiction writing from Penn State.

Ms. Grigor was a production coordinator in the University Department of Publications, where she worked with University clients to identify, evaluate and implement publications plans. Previously, she was the coordinator of the

HUB Galleries and Craft Centre at University Park.

She holds a degree in art history from Penn State.

Christopher J. Bise, professor of mining engineering, has been appointed chairman of the Mining

Engineering Section of the Department of Mineral Engineering.

Dr. Bise has been a faculty member in the department since 1976 and has served for several years as graduate program officer. His major areas of specialization are underground mining systems and mine accident analysis. He is author of *Mining Engineering Analysis and Editing* of the late Robert Stefanek's textbook, *Coal Mining Technology—Theory and Practice*, both published by the Society of Mining Engineers.

Dr. Bise has been honored by both his college and his profession for his achievements in teaching. He holds the 1985 Matthew J. and Anne C. Wilson Award for Outstanding Teaching of the College of Earth and Mineral Sciences; the 1982 "Careers in Coal Award," and the 1992 Stephen McCann Award for Excellence in Education from the Pittsburgh Coal Mining Institute of America.

He serves the University as a Faculty Senator as vice-chair of the Senate Curricular Affairs Committee, and chair of its General Education Subcommittee. Other appointments include the Biomedical Committee of the University's Institutional Review Board, the Graduate School Subcommittee on New and Revised Courses, the Hearing Board of the Office of Conduct Standards, and the Faculty Council for the Improvement of Teaching and Learning.

A licensed professional engineer and an elected member of the National Academy of Forensic Engineers, Dr. Bise has served the Society of Mining Engineers in a number of capacities, most recently as secretary of the Coal Division, and currently is chair of the Central Pennsylvania Subsection of SME.



Christopher J. Bise

He holds a B.S. degree from Virginia Polytechnic Institute and State University and M.S. and Ph.D. from Penn State, all in mining engineering. Prior to joining the faculty, he worked as a resident engineer for Consolidation Coal Company's underground operations in eastern Ohio.

Leila V. Moore has been named director of student unions at University Park. Dr. Moore now serves as acting director of student affairs at the Penn State Ogonitz Campus and has served in various capacities with Student Affairs since 1987.

In announcing the appointment, William Asbury, vice president for student affairs, said that Dr. Moore brings to her new duties many strengths through her association with Student Affairs at Penn State, related responsibilities at other universities, and a distinguished record of scholarship.

Dr. Moore has written extensively on students' perceptions of student services, diversity interventions, student development theory, and expansion of professional education. She is author or co-author of 14 journal articles and has edited several textbooks and monographs.

The American College of Personnel Association elected her president in 1991-92. Among her many honors was the 1991 Award for Outstanding Service to the Profession from the New York State College Student Personnel Association.

Dr. Moore is affiliate associate professor of counselor education and holds advanced degrees from the State University of New York and Syracuse University.



Leila V. Moore

Summer Symposium in Molecular Biology set for July 28 - 30

Penn State's Twelfth Summer Symposium in Molecular Biology, "The Structure/Function Relationships in Proteins and Enzymes," will be held Wednesday through Friday, July 28-30, on the University Park Campus.

Now an internationally recognized event, both in the scientific community and graduate education, the symposium this year focuses on the complex relationships between the sequence of a protein, its three dimensional structure, and its biological function. It will bring together a diverse group of scientists whose research programs emphasize either the structural or functional aspects of the structure/function relationship.

The symposium opens at 8:30 a.m. Wednesday, July 28, with Session I, "Structure and Dynamics of Apomyoglobin," followed at 2 p.m. by Session II, "Metals in Enzymes: Structural and Functional Roles." The keynote address, to be presented by Gregory A. Petsko of Brandeis University and open to the public, is at 2 p.m. Thursday, followed by a reception and lawn party for participants. Session III, "The Role of Proteins in Regulation and Control," will be held at 8:30 a.m. Thursday,

while Session IV, "Molecular Recognition in Signal Transduction Pathways," is scheduled for 8:30 a.m. Friday. All lecture sessions are in Schwab Auditorium.

In addition to lectures, the symposium will feature nearly 70 poster presentations and 25 industry exhibits in the HUB Ballroom, open to participants on Wednesday and Thursday evenings. The public may view the posters and industry exhibits on Wednesday and Thursday from noon to 5 p.m.

According to Kamal Rashid, affiliate associate professor of molecular and cell biology and symposium director, "This program is a valuable resource in graduate education here at Penn State and throughout the north-eastern and mid-Atlantic regions of the United States and Canada. It provides an important forum for exchange of information between academic and industrial scientists, and enhances the visibility and prestige of Penn State's educational and research programs."

The 1993 symposium is organized by the faculty of the Summer Symposium in Molecular Biology and administered by the Biotechnology Institute. The University's Research

and Graduate School, colleges of Science and Agricultural Sciences, and departments of Biology, Biological Chemistry, Chemical Engineering, Chemistry, Cellular and Molecular Physiology, Entomology, Microbiology and Immunology, Molecular and Cell Biology, Plant Pathology, and Veterinary Science provided valuable financial support. Industry sponsors include Schering-Plough, AMGEN, Hoffmann-La Roche, CIBA-GEIGY, Corning Inc., Institute for Biological Research and Development, Pfizer Foundation, Sterling-Winthrop, Supelco, Bristol-Myers Squibb, The Scientist, Genentech, SmithKline Beecham, Genetic Engineering News, Fisher Scientific, and Merck Research Labs.

This year's symposium chair is C. Robert Matthews, Eberly Family Professor of biotechnology and professor of chemistry. Registration may be arranged through Patricia Phillips, Penn State Biotechnology Institute, 519 Wartik Laboratory, University Park, PA 16802, (814) 863-3650; or during final registration at Schwab Auditorium on Tuesday evening, July 27, or Wednesday morning, July 28.

LECTURE

Author to present talk in Schwab

Vivian Gussin Paley, author and teacher at the University of Chicago Laboratory School, will present a public lecture at 7:30 p.m. Wednesday, in Schwab Auditorium on the University Park Campus. Sponsored by Summer Sessions, the title of her discussion is "The Enigma of Readiness."

Dr. Paley is a distinguished author of award-winning books based on her pioneering "action" research in her early childhood classroom where she has spent her career as a sensitive and caring teacher of young children.

Books she has authored include, *You Can't Say You Can't Play; The Boy Who Would Be a Helicopter; Bad Guys Don't Have Birthdays-Fantasy Play at Four; Millie is Three-Growing Up in School; Boys and Girls-Superheroes in the Doll Corner; Wally's Stories, and White Teacher.*

The lecture is free to the public.

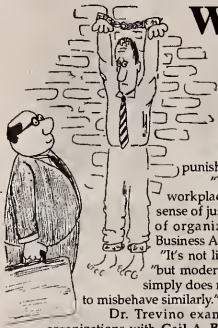
# FOCUS ON Research

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Slap on the wrist not good enough

## Co-workers want wrongdoers punished



**A** new University study suggests that workers will react positively when management dishes out the harshest of punishments to colleagues caught breaking the rules.

"The severe punishment of wrongdoing in the workplace seems to be necessary to fulfill employees' sense of justice," Linda Klebe Trevino, assistant professor of organizational behavior in The Smeal College of Business Administration, said.

"It's not like anyone wants to see blood," she explained, "but moderate punishment for relatively serious misdeeds simply does not satisfy most workers or encourage them not to misbehave similarly."

Dr. Trevino examined the social effects of punishment in organizations with Gail A. Ball, of the University of Nevada at Las Vegas. Their findings were published in the *Journal of Management*. Another paper by Dr. Trevino on the topic was recently published in the *Academy of Management Review*.

The researchers studied the reactions of 75 volunteer subjects to hypothetical situations in which they, playing the role of a national sales manager for a company in financial trouble, learned that a co-worker had been found guilty of some infraction. The subjects — 21 women and 54 men — had an average age of 25 and an average work experience of 4.5 years.

One test case involved an unspecified sexual harassment incident and the other involved a manager's substitution of unsafe standard wiring in an electrical product. Both types of unethical behavior were noted to be first offenses and against company policy.

One third of the research subjects were informed in newsletter or memo format that the guilty parties had been suspended for one week without pay. Another third learned that the harasser and manager had both been dismissed and that legal action had been taken against them. Finally, the remaining subjects received information suggesting that no discernible management action had been taken against either individual.

"For both types of wrongdoing, our subjects generally evaluated management's response to be most just when the punishment was harsh and least just when no noticeable punishment had been given," Dr. Trevino said.

In the past, managers have been trained to think about the impact — generally negative — of punishment only on the punished individual, the researchers added. However, these findings suggest that consideration of the behaviors, thoughts, and feelings of observers may be equally, if not more, important.

"In fact, the indirect effects of punishment on observers' attitudes and behaviors are likely to be more important than direct effects on violators," Dr. Trevino said. "This is because such indirect effects have an impact on a greater number of people; and because the observers have among them the organization's most highly committed workers."

"The best course for managers may be to punish wrongdoing in private, then publicize information about the offense and managerial response without identifying the offender."

— Gary W. Cramer



Linda K. Trevino

Photo: Greg Grieco

### Expert system to tackle overpayment on health care

No matter what health care reforms the Clinton administration eventually adopts, claims payment errors will still hurt many firms whose self-funded medical insurance plans are administered by outside parties.

But an expert system developed at Penn State is proving itself as an effective weapon to combat this problem.

"Overpayment on medical claims across cost firms substantial dollars among anyone realizing it," noted Jack L. Martin, assistant professor of management in the School of Business at Penn State Erie, The Behrend College. "This typically happens because the sum of their medical knowledge, auditing skills and health care insurance practices is inadequate for properly evaluating the validity of the claims."

To overcome this knowledge gap, Dr. Martin and Terry P. Harrison, associate professor of management science and information systems in The Smeal College of Business, developed an expert system to search for potential payment errors. The system screens claims through a knowledge base of information

on claims processing, auditing, and medical diagnosis and procedure coding practices.

### Personal stability offsets criminal behavior

Because testosterone has been linked to male juvenile delinquency, those with high testosterone levels could benefit from a stable family life, a steady job and a sense of belonging.

"Rather than being a cause, higher levels of testosterone set the stage for criminal conduct," said Alan Booth, professor of sociology and human development. "Many types of crime can be best understood by examining both biological and social factors and the way they work together."

Research has shown that testosterone is related to aggression, risk-taking and low impulse control. Ingrained early in life, these behaviors interfere with educational achievement, membership in organizations, steady employment and

marriage — all of which commit people to conventional social goals and reduce the propensity toward crime.

In further examining the link between testosterone and crime, Dr. Booth plans to study whether testosterone predisposes females — who have only one-tenth the testosterone found in men — to criminal acts.

### Women teachers are happier

Women teachers are more likely to be satisfied with their jobs than men,

according to a University survey of 23,845 Pennsylvania school teachers.

The three-year study, conducted by Richard R. Plut, clinical supervisor of the Family and Schools Together program in the Department of Psychology, and Stanley B. Baker, professor of counselor education, examined how satisfied teachers were with their jobs.

"Results determined that men felt they had more time to accomplish job-

related tasks, perceived their facilities more positively and were more happy with instructional materials than women. But women had a higher level of job satisfaction and were happier with their jobs than men.

In addition, women perceived their evaluations as more fair, reported having fewer discipline problems with students, perceived the school's discipline policies as more fair, and considered changing jobs less often than men.

"When all the perception items were combined, women did not differ from men on how positively or negatively they viewed their teaching environments, but women were definitely happier," Dr. Plut noted. "This suggests that the difference between men and women in how satisfied they are cannot be accounted for by their job environment."

The researchers noted that it is likely the differences found in job satisfaction are cultural and related to institutional sexism.

It is also possible that women are raised to expect less from a job than men and are happier with a job that is equal to a man's job," Dr. Baker added.



## Campaign leaders named for 1993 United Way fund drive

University Park United Way campaign volunteers in leadership positions have been appointed by Susan Welch, this year's chairperson and dean of the College of the Liberal Arts.

In announcing the appointments, Dean Welch pointed out that the campaign structure builds upon the grass roots approach initiated last year and distributes responsibility for various aspects of the campaign among more persons.

Serving as members of the Steering Committee, a group that sets overall guidelines and campaign strategies, are:

Sara Alterio, Student Affairs; Sharon Becker, President's Office; Milton Bergstein, The Smeal College of Business Administration; Helen Brennehan, Development and University Relations; George Bugyi, Faculty Senate; Ron Filippelli, College of the Liberal Arts; Mary Jane Fisher, Budget and Resource Analysis; Christian Foster, Eberly College of Science; Carol German, Student Organizations;

A.J. Grill, College of Education; Ginny

### Senior administrators lead the way

Two University senior administrators will assume key roles in the 1993 United Way campaign at University Park and in Centre County.

President Thomas will serve as the honorary chair of the 1993 Centre County United Way Campaign, lending his presence to major publicity efforts during the annual fall fundraising drive for the 31 United Way agencies.

The University Park Campus is the largest employer in Centre County. Employees there contribute more than one-third of the amount raised annually. As the honorary chair, Dr. Thomas represents the interests of all Penn Stateurs who either give or are served by United Way Agencies.

Senior Vice President for Development and University Relations G. David Gearhart will serve as vice chair of the 1993 University Park campaign. Susan Welch, dean of the College of the Liberal Arts, is chair for 1993.

Dr. Gearhart, will move into the chairmanship role for the University Park campaign in 1994.

Imboden, Research and Graduate School; Cindy Kostyak, School of Communications; Anil Kulkarni, College of Engineering; Tore Meringolo, University Libraries; Paul Feworchik, Computer and Information Systems;

Suzanne Power, Undergraduate Education; Bob Ricketts, College of Health and Human Development; Dale Roth, Business and Operations; Bob Sams, College of Agricultural Sciences; Everett Tiffany, College of Earth and Mineral Sciences; Ed Williams, College of Arts and Architecture; and Suzanne Wrye, Continuing Education.

New this year are division heads, persons whose previous experience in managing the United Way effort will help them coordinate campaign responsibilities and serve as resource persons to groups of similar units. These individuals also will serve on the Campaign Cabinet. They are:

● Division I—Business and Operations—Tom Gibson

● Division II—Colleges of Agricultural Sciences, Earth and Mineral Sciences, Engineering, Science, and Health and Human Development—Ginny Newman

● Division III—Colleges of Arts and Architecture, Business Administration, Education, Liberal Arts and Communications—Trudy Smith

● Division IV—Continuing Education, Commonwealth Educational System, Development and University Relations, Student Affairs, Libraries and Undergraduate Education—Tore Meringolo

● Division V—Athletics, Finance, Budget, President's Office, Sports Medicine—Lydia Abdullah

● Division VI—Research and Graduate School—Ginny Imboden

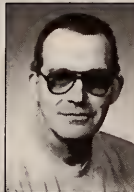
● Division VII—Retirees—Leon Kneebone  
Also serving as members of the Campaign Cabinet are committee chairs:

Students—Carol German; Events—Christine Templeton; Publicity—Karen Wagner; Advanced Gifts—G. Gregory Lozier; Prizes and Awards—Laura Bords; Training—Suzanne Wrye; Agency Tours—Jenny King.



### 25-YEAR AWARDS

Observing 25 years of service to the University are, from left:



William L. Hilgar, HVAC maintenance mechanic, and Clyde E. Long, maintenance worker A, both in the Office of Physical Plant.



Eleanor Kuntz, administrative assistant to the vice president for administration, and Carol B. Jackson, secretary, Department of Family Community Medicine; both at The Hershey Medical Center.



Sally S. Small, assistant director, Office of Human Resources, and Dorothy Smith, county extension director and senior home economist in Allegheny County, in the College of Agricultural Sciences.

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July 8, 1993  
Vol. 22, No. 35

## PENN STATE



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

NONPROFIT ORG.  
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## Trustees give nod to budget, set 1993-94 tuition levels

The Board of Trustees approved a 1993-94 total operating budget of \$1,504,269,000 for the University at its meeting July 9 at the Delaware County Campus.

"The budget we are presenting today is an important one, for it will enable Penn State to move forward despite the continuing difficulties of our funding environment," President Thomas said.

"While we are pleased that the University did not receive further cuts in state funding this year, it is important to note that our state appropriation has not been increased."

The 1993-94 state appropriation of \$249,153,000 is nearly \$10 million less than the initial amount designated for the University in 1991-92, and about the same as the appropriation amount received in each of the last two years.

An additional \$10 million will come to Penn State this year through the Tuition Challenge Grant program. For the first time, graduate and professional students have been included in the grant program.

The 1993-94 state appropriation plus the Tuition Challenge Grant brings the total appropriation to \$259,132,000.

"However, the Tuition Challenge Grant funding has not been made part of our permanent appropriation," Dr. Thomas noted. "This is a concern for us, and we are encour-

aging the state to fold this funding into our base appropriation for next year.

"In keeping with the provisions of the Tuition Challenge Grant Program, we are limiting the tuition increase for in-state students to 4.5 percent."

At the University Park Campus, tuition

***A priority in this year's budget has been placed on salary increases. Last year, increases were limited to about \$700 per employee, with no increases for the executive staff.***

for full-time undergraduate Pennsylvania residents will be \$2,376 per semester, or an increase of \$102. For undergraduate Pennsylvania residents at Commonwealth Campuses, tuition is \$2,301 per semester or an increase of \$99.

For Pennsylvania graduate students at all

See "Budget" on Page 5



**Palmer Museum pedicure** — Artist Paul Bowden, of Pittsburgh, files away at the toe of this bronze lion's paw that now graces the entrance to the Palmer Museum of Art at University Park. The paw sculpture is just part of the new attractions at the museum, which will be open to the public Sept. 5. For a full view of the paw, turn to Page 9.

Photo: Greg Grieco

## Priorities set for University programs

As Penn State enters the first year of a multi-year effort to set budget priorities and strengthen academic quality, the Colleges of the Liberal Arts, Science and Engineering; the University Libraries, and the Computer and Information Systems have been targeted as among the highest priorities for enhancement support.

John Brighton, executive vice president and provost of the University, reviewed the 1993-94 budget allocations recommended for the colleges and academic and administrative support units with the Board of Trustees at its meeting at Delaware County Campus.

"These recommendations are based on the annual strategic planning process and reflect the University future process," Dr. Brighton noted. "About a year ago, all academic and administrative units prepared their strategic plan updates, which were reviewed by the University Future Committee. The UFC recommendations were shared with the President's Planning and Budget Advisory Committee, which also made recommendations.

"All the recommendations were utilized by the Budget Task Force to identify program allocations for the coming academic year."

Dr. Brighton added that at every stage of the entire process, the following guidelines were emphasized:

— The highest priority was—and is—maintaining and enhancing Penn State's academic quality.

— Narrowing the focus of the University's activities to free resources for reinvestment.

— Using the reinvestment to build on strengths and to maintain critical services. Funds should not go back to the very same areas where budget reductions were made.

— Planning budget reductions and selective reinvestment over a three-year period.

"First, the intent is to shift more of the University's resources to direct academic activities, and, second, to concentrate resources on those programs with the greatest capacity for distinction while maintaining necessary support services," Dr. Brighton noted.

Each unit was asked to identify a 10 percent reduction in its budget, to be implemented over the next three years. The result is reductions of \$30.8 million over three years, with \$9 million in the first year.

See "Priorities" on Page 3

## Key positions filled

The Board of Trustees approved three key appointments at its meeting July 9 at the Penn State Delaware County Campus. Appointed were John J. Cahir, vice provost and dean for undergraduate education; Neil H. Porterfield, dean of the College of Arts and Architecture, and Gary C. Schultz, vice president for finance. (Please see stories on Page 4).

# University continues its efforts toward diversity

**According to a recent estimate, the University funds that go toward supporting racial/ethnic diversity centrally and within individual units total \$19.6 million for the 1992-93 year.**

Over 10 years, Penn State had made major investments in diversity, resulting in progress in an extremely competitive environment nationwide.

John Brighton, executive vice president and University provost, outlined the University's affirmative action programming to the Board of Trustees.

"Penn State has put forth considerable effort to create and maintain a supportive environment that reflects the broad expanse of human history and experience," he said. "Our success in incorporating racial/ethnic diversity benefits the entire University for our graduates work both in an increasingly diverse society and in an increasingly global economy. Graduates must be able to understand and interact with people who have a variety of racial/ethnic profiles."

The University's programming efforts focus on three key areas: student recruitment and retention, faculty and staff programs, and administrative support.

In student recruitment and retention, the Office of Admissions employs a director of minority admissions and

community affairs, who is assisted by recruitment centers in Philadelphia, Harrisburg, and Pittsburgh. A critical tool is financial aid, which includes the Diversity Grant Program and undergraduate scholarships in the colleges.

On the graduate level, successful programs include linkages with historically African-American colleges and the Center for Minority Graduate Opportunity and Faculty Development.

Another major tool is extracurricular learning, providing students with opportunities to expand their personal and intellectual horizons. Such examples include the Paul Robeson Cultural Center, which sponsors programs reflective of the various cultures at Penn State.

The University's plan to expand the Hetzel Union Building includes the development of a new facility for the Robeson Center. While state funding for this project has not yet been released, a special fund-raising effort by the University has been approved by President Thomas in hopes of moving the project forward, Dr. Brighton said. So far, some \$1.5 million in private funds has been raised for this important project.

Minority organizations at Penn State, including African/Black American fraternities and sororities, National Society of Black Engineers, National Society of Black Accountants, and similar graduate student organizations, assist in providing opportunities for students.

"Hispanic and Asian-American students have formed or are forming similar organizations," Dr. Brighton said. "Additional efforts are made in

terms of involving minority students in cultural programming, such as concerts and lectures, and in recruitment and retention programs."

Among the academic retention efforts are those coordinated by the Academic Assistance Programs, Multicultural Resources Center, and the individual college minority program directors.

To support minority faculty and staff, the University supports a variety of programs, including the work done by the Center for Minority Graduate Opportunity and Faculty Development, Summer Scholars in Residence, staff programs in Human Resources and the Administrative Fellows Program.

In addition, to increase the awareness of the richness and variety of backgrounds that students, faculty and staff bring to the Penn State academic community, all undergraduate students must take at least one course that promotes greater understanding of some aspect of the many kinds of cultural differences in our society, Dr. Brighton noted.

As a result of its many efforts, Penn State has experienced progress in improving the climate for diversity over 10 years. Total minority enrollment has risen from 1,836 in fall 1983 to 5,559 in fall 1992. Within that total, the number of African-American students rose from 1,435 students in fall 1983 to 2,266 students in fall 1992, an increase of nearly 40 percent.

African-American students make up 8.2 percent of the total student enrollment at Delaware County Campus, the highest such percentage at any University campus.

Among Big 10 universities, Penn State ranks second in the percentage of African-American students graduated (56 percent at University Park) and third in the percent of all students graduated (77 percent).

According to a recent estimate, the University funds supporting racial/ethnic diversity centrally and within individual units total \$19.6 million for the 1992-93 year.

"It is difficult to determine the precise cost since many programs serve non-minority students as well as minority populations," Dr. Brighton noted. "But our figures are very much in line with funding support at other Big Ten institutions."

The largest portion of the funds is 47.1 percent for student financial aid, and nearly 31 percent supports retention and other programs.

"We are proud of the progress made so far, but we must be diligent in our march toward continuous improvement in the area of diversity as we are in all other aspects of University operations," Dr. Brighton said.

"As we look to the future, we do so knowing that racial/ethnic diversity is part of Penn State's institutional values. Our investment is building a better future for our state and nation and, thus, has considerable value now and for the years hence. We work in an environment that challenges our sister universities nationally. We continue to work at solutions, and we are committed to improving Penn State's contributions in the years ahead."

## Department of African and African-American Studies SUNY associate professor hired as head

David McBride, associate professor of history and Afro-American and African studies at the State University of New York at Binghamton, has been appointed professor and head of the Department of African and African-American Studies.

"We are delighted to welcome Dr. McBride to the Penn State community," said Susan Welch, dean of the College of the Liberal Arts. "He is a noted scholar in the areas of health care of African Americans, African-American studies, and African-American history, and he will provide significant leadership to this developing department."

Dr. McBride will head the new Department of African and African-American Studies. African and African-American courses have been offered since the mid-1970s under the Black Studies Program at the University, and the major was introduced in 1991.

His research and teaching areas of interest include African-American history in the 18th, 19th and 20th centuries; the history of contemporary medicine, public health and science; public history, and African Diaspora.

Dr. McBride has written many articles, papers and book chapters, including the article "Health Care Reform and Black America, 1965-1990: From Community Health Care to Crisis Medicine" published in the *Journal of Health Politics, Policy and Law*. He is the author of several books, including *From TB to AIDS: Epidemics Among Urban Blacks Since 1940*. His current book project concerns medicine, health, culture and the shaping of African Americans.



David McBride

He also edited *Blacks in Pennsylvania History: Research and Educational Perspectives* and was general editor of the *Black Historical Research Sources Series*.

He has been an associate professor in the SUNY-Binghamton Departments of History and Afro-American and African Studies since 1989. He joined SUNY-Binghamton as an assistant professor in 1983 and served as a visiting scholar and post-doctoral fellow at the National Library of Medicine in 1987.

Before his tenure at SUNY-Binghamton, Dr. McBride was an assistant professor at Sangamon State University in Springfield, Ill., a youth program project director for the Opportunities Industrialization Centers of America in Philadelphia, and an associate historian with the Pennsylvania Historical and Museum Commission.

Dr. McBride earned a B.A. degree in history from Denison University, an M.Phil. in philosophy and a Ph.D. in American history, both from Columbia University. His activities include membership in the American Association for the History of Medicine, American Historical Association, African Studies Association, Pennsylvania Historical Association and National Ethnic Studies Association.



Future teacher?

Tim Perales, of Lancaster, Pa., participated in the "Minority Teachers for the 21st Century: A Pre-College Program," which is designed to recruit minority students into teaching careers. Sponsored by the College of Education, the program hosted more than 20 students. Photo: Greg Grieco

## DIVERSITY

## Minority workshop continues in effort to interest high school students in communications/broadcast careers

Turning the camera on people, places and themselves, 12 aspiring filmmakers will spend two weeks learning to translate their ideas to the screen. The second Penn State School of Communications Film and Video Minority Workshop runs from July 17-30 and is designed to encourage high school students to use their experiences and interests as starting points for their work.

### **Penn State alumnus and Hollywood filmmaker Stan Lathan is helping support this year's workshop with scholarship funds.**

"The representation of minorities in the film and television business, particularly in the behind-the-camera roles, producing, directing and cinematography, remains extremely low despite the success of individual African-American filmmakers such as Spike Lee and John Singleton," said Ned Faust, assistant professor of film/video in the School of Communications and workshop director. "An important goal of the workshop is to let students know that what they say through their work is valuable and important."

The projects completed in the 1992 workshop have been critically acclaimed and proven very popular with large audiences.

"The School of Communications wants to tap into the talent of these teenagers, and encourage them to consider film and broadcast as a potential career," Dean Terri Brooks said.

Penn State alumnus and Hollywood filmmaker Stan Lathan is helping to support this year's workshop with scholarship funds. In addition, Mr. Lathan and other filmmakers share their experiences and advice with students in hour-long phone conferences that are an important part of the workshop experience.

"Successful Hollywood professionals like Mr. Lathan provide positive role models as well as being candid about the obstacles students will face as minorities entering an extremely creative, competitive field," Mr. Faust said.

Students work in small groups and are encouraged to develop film and video projects that express their view of the world. In addition to Stan Lathan's support, the Minority Workshop is funded by the Equal Opportunity Planning Commission and the School of Communications.

For more information on the workshop, contact Ned Faust at 814-865-2176.



**Jazzin' it up** — Andrew Jackson, instructor in education, plays drums during a free jazz concert on the front steps of the Paul Robeson Cultural Center July 14. The summer entertainment was sponsored by the American Federation of Musicians and the Robeson Cultural Center.

Photo: Greg Grieco

## Priorities

### Continued from Page 1

Of that \$9 million, about \$6.8 million will be reinvested in the following manner: the colleges, schools and campuses would receive \$4.3 million, or more than 63 percent; the academic support units, \$1.6 million, or nearly 20 percent; and the administrative units, \$1.1 million, about 17 percent.

"Five units — the Colleges of the Liberal Arts, Science and Engineering; the University Libraries, and the Computer and Information Systems — will receive \$1.07 for each dollar of

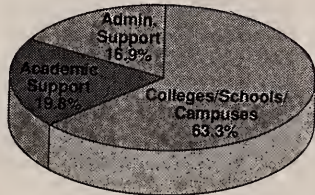
budget reduction," Dr. Brighton said.

"Collectively, the academic units are getting back 87 cents for every dollar of reduction, academic support units, 84 cents; and administrative support units, 45 cents."

In addition, about \$2.5 million of temporary funding will be converted to permanent funding for several units. Many of the needs are in critical areas such as the liberal arts, the libraries, and computer and information systems, as well as support for the Commonwealth Educational System, the Graduate School, Writing Across the Curriculum initiative and special recruitment programs that support the University's diversity goals.

"As we continue this process over the next two years, Penn State's leadership in coupling budget reductions with a strategy of selective reinvestment also will strengthen the University's academic leadership," Dr. Brighton said. "This reinvestment will build on strengths and maintain the quality of critical support services. At the end of this three-year planning effort, Penn State's resources will be concentrated more effectively on academic quality."

### Reallocations and Enhancements by Category — 1993-94



## United Way team leaders chosen for 1993

Key to the success of last year's University Park United Way efforts among employees were team leaders. Again this year, colleges and administrative unit leaders have appointed team leaders to coordinate United Way activities within their own areas.

Named as United Way Team Leaders for 1993 are:

Georgia Abbey, The Small College of Business Administration; Lydia Abdullah, Budget and Resource Analysis; Christine Avery, University Libraries; Beth Barnes, School of Communications; Sharon Becker, President's Office; Carl Blake, College of Arts and Architecture; Laura Bords, College of Agricultural Sciences; Janet Bowman, Undergraduate Education; Sandy Edwards, Continuing Education; Ron Filippelli, College of the Liberal Arts; Mary Jane Fisher, Budget and Resource Analysis; Christian Foster, Eberly College of Science; Donn Frazier, Corporate Controller; Tom Gibson, Business and Operations;

A.J. Grill, College of Education; Ginny Imboden, Research and Graduate School; John Marshall, Continuing Education; George McMurtry, College of Engineering; Paul Peworchik, Computer and Information Systems; Bob Ricketts, College of Health and Human Development; Debra Sipe, College of Earth and Mineral Sciences; Tobey Stout, College of Health and Human Development; Ken Varcoe, Commonwealth Educational System; Roger Williams, Development and University Relations; Linda Woodring, Intercollegiate Athletics; and Forest Wortham, Student Affairs.

United Way team leaders coordinate the activities of the United Way United Team, including organizing meetings, determining campaign strategies, goals, educational programs, special events, and competitions. Membership on the team is broadly representative of the types and numbers of employees within the group.

# Three named to key posts within University

## Undergraduate Education

John J. Cahir, associate dean for resident instruction in the College of Earth and Mineral Sciences and professor of meteorology, has been named vice provost and dean for undergraduate education.

"We are delighted that Dr. Cahir has agreed to assume this position," President Thomas said. "He is a person who demonstrates daily the complementarity of teaching and research. And he is a person with a steady commitment to undergraduate education."

Dr. Cahir joined Penn State in 1965 as an instructor in meteorology, rising to the rank of professor in 1980. In that year, he also assumed the position of associate dean, which includes responsibility for the college's programs at the Commonwealth Campuses.

He has been a leader in the atmospheric sciences nationally and internationally. His research and teaching have focused on synoptic meteorology and climatology, and he led a pioneering group that applied computer technology in weather stations. In the early days of the WPSX-TV program "Weather World," Dr. Cahir originated several hundred meteorological broadcasts.

He has served on the Council of the American Meteorological Society and as chair of the committee to review investment policies for new program initiatives. He also is a U.S. member, Commission for Atmospheric Sciences, World Meteorological Organization, and the Earth Science Advisory Council of the Universities Space Research Association.

Continuing a long-standing interest in increasing the participation of underrepresented groups in the atmospheric, earth-related and other sciences and engineering, Dr. Cahir serves as an executive board member of the Science Institute of the Pittsburgh Public Schools, which directs an innovative program to help prepare students in high schools with high concentrations of minority students for college science and engineering programs.

At Penn State, he has served on many college and University committees and strategic study groups. He has been active in the University Faculty Senate, serving as an elected member since 1973 and as a member of the Senate Council since 1978. He currently chairs the Special Senate Committee on Faculty Workload and Accomplishment. He also has chaired the Administrative Council on Undergraduate



John J. Cahir

Education, the Task Force on Faculty Development and the Task Force on University Mission.

Dr. Cahir holds a B.S. and a Ph.D. in meteorology from Penn State.

## Arts and Architecture

Neil H. Porterfield, professor and head, Department of Landscape Architecture, has been named dean of the College of Arts and Architecture.

"We are very pleased that Professor Porterfield has accepted this position," President Thomas said. "His experience includes a well-rounded record in design, teaching, administration and professional and public service. He brings just the right kind of leadership to the College of Arts and Architecture at this time."

Professor Porterfield joined Penn State in 1985 as professor and head of the Department of Landscape Architecture. From 1964 to 1985 he was associated with Hellmuth, Obata & Kassabaum Inc., one of the 10 largest design firms in the United States. Beginning as director of planning and landscape architecture, he became executive vice president and then president of HOK Associates (an HOK subsidiary). From 1977 to 1985, he also was senior vice president and corporate director of planning for the parent company.

At HOK, his responsibilities included project design, personnel and financial management, strategic planning and quality assurance. The projects on which he served as principal designer and/or manager include: Landscape and Site Design for the National Air and Space Museum, Washington, D.C.; Comprehensive Urban Improvement Plan for the City of Doha, Qatar; the Trans-Alaskan Pipeline Visual Impact Analysis; Tortuga Island Master Plan, Tortuga, Haiti; Campus Plan for E. R. Squibb & Son Corporate Research Headquarters, Lawrenceville, N.J.; and Site and Landscape Design for King Saud University, Riyadh, Saudi Arabia.



Neil H. Porterfield

Accreditation Board, and served on about 20 accreditation evaluation teams. From 1985 through 1992 he was vice chairman of the Commission of Fine Arts in Washington, D.C. He is a fellow of the American Society of Landscape Architects.

He twice received an Honor Award from the

American Society of Landscape Architects, for the Laclede Landing Urban Design (historic waterfront district on the St. Louis riverfront) and for the Northwoods Married Student Housing site and landscape design, University of Michigan. In 1983 he was selected as the recipient of the Alumni Achievement Award of the College of Arts and Architecture.

Among his University-wide activities, Professor Porterfield currently serves on the Faculty Advisory Committee for the Research Park. He has served as chair of the Facilities Planning Advisory Board and was a member of the Task Force on the Arts and Liberal Arts.

He received a B.S. in landscape architecture from Penn State and a master of landscape architecture from the University of Pennsylvania.

## Administrative

Gary C. Schultz, associate vice president for finance, has been appointed vice president for finance.

Mr. Schultz has served as associate vice president for finance since 1992 when Steve A. Garban, senior vice president for finance and operations, announced organizational changes. He has responsibility for the day-to-day operations of the financial, budgeting and accounting functions of the University.

He joined the University in 1971 as a systems analyst and was promoted to a variety of positions with increasing responsibility such as director of management and systems engineering, assistant to the vice president for business, and assistant vice president for operations and services.

His degrees are a B.S. in industrial engineering with high distinction in 1971 and an M.S. in industrial engineering in 1975, both from Penn State.

Mr. Schultz is president of the Nittany Insurance Company and vice president of Penn State's Research Park Management Company and Research Park Hotel Corporation. He also is a member of the board of the Pennsylvania College of Technology and a member of the National Association of College and University Business Officers and the Association of University Related Research Parks.

In the community, he is treasurer of the State College Area Chamber of Commerce and a member of the Centre Region Council of Governments.



Gary C. Schultz

## 25-YEAR AWARDS



Observing 25 years of service at the University are, from left, Harry "Toby" Cunningham Jr., associate professor of biology at Penn State Erie, The Behrend College; Gerald C. Lauchle, professor of acoustics, College of Engineering; Joan Bergstein, staff assistant at Altoona Campus; Donald Fornwall, coordinator of research funds, College of Earth and Mineral Sciences; Coleen Fornwall, student records manager in The Smeal College of Business Administration, and James C. Liebegott, human resources officer, Office of Human Resources.

Acting governor signs capital budget

# University projects continue to move ahead

Five Penn State projects are among a list of capital budget projects signed recently by Acting Gov. Mark Singel. These projects have not moved forward, but the funds have not yet been released by the Commonwealth of Pennsylvania.

"We are pleased that the Governor has approved these critically needed capital dollars for Penn State campuses, including a badly needed chemistry building at University Park Campus and a biomedical technology center at Fayette Campus," said President Thomas.

"We will work diligently to get these approved funds released for construction."

The Penn State projects are:

- Construction of Chemistry Building, University Park, \$52.5 million
- Improvements and expansion of infrastructure, Phase I, University Park, \$5.25 million.
- Water system improvements, University Park, \$10 million.
- Construction of a Biomedical Technology Center, Fayette Campus, \$4.4 million.
- Construction of a classroom, laboratory, conference and communications center, Worthington Scranton Campus, \$3.99 million.



**Summer Viennese-style** — Members of the Penn State Faculty Staff Club were treated to a HEURIGAN ABEND—outdoor dining in a Viennese wine tavern—on Tuesday, July 13. The special event—in celebration of summer Viennese-style—was held at the Nittany Lion Inn patio.

Photo: Greg Grieco

# University eliminates beer kegs at Beaver Stadium beginning in fall

Building on a series of previous initiatives in the local community and on campus to boost safety at football games, the University has decided to eliminate beer kegs from the grounds of Beaver Stadium this fall.

In recent years the University has provided alcohol-free social events, substance-free residence hall options, and a wide range of educational programming related to alcohol abuse. The move to ban kegs this fall follows on the heels of a 1992 decision by a number of local apartment buildings in State College to ban kegs.

Less vandalism and property destruction was observed in some of those local apartment buildings during the first year of the keg ban.

"Football games should be an enjoyable experience for those who attend, as well as for those who live in the community,"

David Stormer, assistant vice president for Safety and Environmental Services, said.

"Many people who attend these events make it a family outing by bringing their children, or traveling long distances to get

here. We are taking these actions to make their visit to University Park a safer, more pleasurable experience."

University health experts worked with the Office of Safety Services and the Department of Intercollegiate Athletics to develop the plan.

In its annual mailing to season ticket holders, the Department of Intercollegiate Athletics includes a statement of University policies that apply to Beaver Stadium. This year, the new policy regarding the ban on kegs of beer or beverage alcohol—including "party balls"—in the parking lots is part of that mailing. People with kegs will not be admitted to the parking area. In addition, all alcoholic beverages have always been prohibited inside the stadium.

University officials note that banning kegs will not solve all alcohol-related problems, but the move is expected to increase safety for attendees and travelers, reduce the incidence of vandalism, and curb excessive drinking at games.

## OBITUARIES

Leon Gorlow, professor emeritus of psychology, died June 24. He was 73.

A graduate of City College of New York, he received his master's degree and doctorate from Columbia University. He taught at Syracuse University from 1949 to 1952 when he joined the University faculty. He retired Jan. 1, 1989.

In 1962, he was awarded a Fulbright Fellowship to Finland. In the early 1970s, he was appointed by the governor to the original Board of Psychological Examiners.

In recent years he chaired many American Psychological Association visitation teams to universities throughout the United States. He also served as an APA peer reviewer and was awarded Distinguished Psychologist from the Pennsylvania

Psychological Association.

Dr. Gorlow was an active member of the Pennsylvania Association of Retarded Citizens, serving as its statewide vice president and a state board member. He was an active hearing officer for the Pennsylvania Department of Education and was president of the Friends of Schlow Library this past year.

Shirley A. Snyder, senior assistant librarian at the Penn State Shenango Campus since Nov. 15, 1966, died March 19. She was 60.

Ronald A. Struble, correspondence course specialist, College of Agricultural Sciences, from May 1, 1956, until his retirement May 1, 1975; died May 3 at the age of 82.

# Budget

## Continued from Page 1

locations, tuition is \$2,658 per semester or an increase of \$114.

For undergraduate out-of-state residents, tuition will be \$5,050 per semester, or an increase of \$263. Out-of-state graduate students will pay \$5,368 per semester, or an increase of \$280.

The total budget includes about \$9 million in internal budget reductions identified by units through the strategic planning process. Of that total, about \$6.8 million will be reinvested in University programs, identified by the University Futures process. Of the nearly \$6.8 million proposal, 63 percent is targeted to the colleges, schools and campuses.

"Instead of relying on a significant infusion of new state funds, much of the progress supported by the budget proposal today is made possible by the reallocation and reinvestment of existing resources," Dr. Thomas said.

"This will be the first year of a three-year cycle of

internal budget reductions. The sharper focus on priorities is a critical strategy for sustaining and enhancing Penn State's academic quality in the years ahead."

A priority in this year's budget has been placed on salary increases. Last year, increases were limited to approximately 5.700 percent per employee, with no increases for the executive staff.

"We felt it very important to give high priority to salary increases in this year's budget," Dr. Thomas said. "A 4 percent increase in the salary pool is planned with all increases based on merit."

Last year's limited salary increase affected the competitiveness of our faculty salaries. "Our standing on comparative faculty salaries fell both among Big 10 institutions and the 23 institutions participating in the Association of American Universities Data Exchange."

Other factors affecting the total operating budget are unavoidable increases in operating costs, such as Social Security, utilities and health care. But through the University's partnership with HealthAmerica and an aggressive program emphasizing managed care,

**... "much of the progress supported by the budget is made possible by the reallocation and reinvestment of existing resources."**

President Thomas

costs for health care insurance are projected to increase by less than 10 percent for the coming year, rather than larger double-digit increases of past years.

"We have placed the highest emphasis on Penn State's continuing academic quality," Dr. Thomas said. "As we move forward in the direction approved today, the University will emerge from this difficult economic time well ahead of other institutions of higher learning in this nation."

# Promotions

## ACADEMIC

The following promotions in academic rank are effective July 1.

### To Professor

Michael G. Akritas, Statistics  
Alex Aswad, Science, Engineering and Technology, Penn State Harrisburg  
John W. Bagby, Business Logistics  
Peter J. Bannon, Meteorology  
John L. Beard, Nutrition  
Leslie E. Brown, Music, Beaver Campus  
Paul W. Brown, Materials Science and Engineering  
William H. Brune, Meteorology  
Maria-Carme Calderer, Mathematics  
Tze-Chiang Chung, Materials Science and Engineering  
Gary A. Clawson, Pathology  
Ann C. Crouter, Human Development and Family Studies  
John H. Dosselt, Pediatrics  
Richard L. Fales, Agronomy  
Steven J. Frisque, Molecular and Cell Biology  
L. Peter Gold, Chemistry  
Emily R. Grosholz, Philosophy  
Daniel R. Hagen, Dairy and Animal Science  
Bruce H. Hamory, Medicine  
James E. Johnson, Curriculum and Instruction  
Daniel R. Jones, Landscape Architecture  
Svetlana Katok, Mathematics  
Shiriki K. Kumanyika, Biostatistics and Epidemiology  
Barnett A. Lee, Sociology  
Stanford M. Lembeck, Agricultural Economics and Rural Sociology  
Robert E. Leonard, Theatre Arts  
Thomas A. Lloyd, Obstetrics and Gynecology  
Albert E. Luffoff, Agricultural and Biological Engineering  
Robert N. Proctor, History  
Virendra M. Puri, Agricultural and Biological Engineering  
Srikanth Rao, Business Logistics  
James F. Rooney, Behavioral Science and Education, Penn State Harrisburg  
James P. Kunt, Materials Science and Engineering  
Londa L. Schiebinger, History and Women's Studies  
John C. Schultz, Entomology  
James S. Shortle, Agricultural Economics and Rural Sociology  
Lawrence L. Sinoway, Medicine  
John L. Stauffer, Medicine  
Hoi K. Suen, Educational and School Psychology and Special Education  
Mita Sujian, Marketing  
Robert T. Tauber, Humanities and Social Sciences, Penn State Erie  
Mina Tien, Molecular and Cell Biology  
William G. Tierney, Administration, Policy, Foundations, and Comparative/International Education  
Chester L. Wolford, Humanities and Social Sciences, Penn State Erie  
Stephen M. Zerny, Mathematics, Mont Alto Campus  
James T. Ziegensuss, Jr., Public Affairs, Penn State Harrisburg

### To Librarian

Nancy L. Herron, Librarian, McKeesport Campus

### To Associate Professor

David G. Ahler, Agricultural Economics and Rural Sociology  
Marc D. Abrams, Forest Resources  
Eleonora K. Adams, German, Osgontz Campus  
Steven G. Alston, Physics, Wilkes-Barre Campus  
Ali Aminlari, Ophthalmology  
Eleanor D. Armstrong, Music  
Helen A. Bagholdy, Anesthesia  
Guy F. Barbato, Faculty Science  
Indrani Basak, Mathematics, Altoona Campus  
Lori J. Bechtel, Health Education, Altoona Campus  
Lisa O. Bontrager, Music  
Thomas G. Bowers, Behavioral Sciences and Education, Penn State Harrisburg  
O. Richard Bundy, Music  
John A. Cassidy, Psychology  
Charles E. Chambers, Medicine  
John W. Comerford, Dairy and Animal Science  
Lisa J. Crockett, Human Development and Family Studies  
David J. Eggebeen, Human Development and Family Studies  
Kathleen D. Eggl, Radiology  
William G. Engelbert, Accounting, Altoona Campus  
Arlen W. Ething, Agricultural and Extension Education  
Faisal K. Fadul, Engineering and Engineering Technology, Penn State Erie  
Robert E. Farrell, Engineering and Engineering Technology, Penn State Erie  
Donald M. Fisher, Geosciences  
Joao Florencio, Jr., Physics, Altoona Campus  
Duncan Fong, Management Science and Information Systems  
Veronique M. Foti, Philosophy  
Gilbert J. Gall, Labor Studies and Industrial Relations  
John F. Gardner, Mechanical Engineering  
Lori D. Ginzberg, History and Women's Studies  
Alineza Haghighat, Nuclear Engineering  
James M. Hamlett, Agricultural and Biological Engineering  
Catherine M. Harmonosky, Industrial and Management Systems Engineering  
Robert S. Hatten, Music  
Steven Heine, Religious Studies  
William R. Henning, Dairy and Animal Science  
Charlotte A. Holmes, English  
Patricia E. Johnson, Humanities, Penn State Harrisburg  
Patricia L. Johnson, Anthropology  
Stephen B. Jones, Forest Resources  
Sanjay B. Joshi, Industrial and Management Systems Engineering  
John D. Kissick, Visual Arts  
Thomas A. Knapp, Economics, Wilkes-Barre Campus  
Laura I. Knoppers, English  
Paul E. Koch, Engineering and Engineering Technology, Penn State Erie  
Orsay Kucukemiroglu, Management Science and Information Systems, York Campus  
Sanat K. Kumar, Materials Science and Engineering  
Juliette T. Lecomte, Chemistry  
Susan E. Lederer, Humanities, College of Medicine

Janice M. Mangle, Engineering Technology and Commonwealth Engineering, Osgontz Campus  
Mark Maroncelli, Chemistry  
Thomas F. McGovern, Visual Arts  
Steven A. Melnick, Behavioral Sciences and Education, Penn State Harrisburg  
Karen J. Miller, Food Science  
Kathleen M. Mulder, Pharmacology  
B. Tracy Nixon, Molecular and Cell Biology  
Robert A. Novack, Business Logistics  
Kyle L. Peck, Adult Education, Instructional Systems, and Vocational and Industrial Education  
William L. Petersen, Religious Studies  
Richard A. Pierson, Human Development and Family Studies, Altoona Campus  
James R. Pratt, Forest Resources  
Benjamin A. Quigley, Adult Education, Instructional Systems, and Vocational and Industrial Education  
Paul D. Robillard, Agricultural and Biological Engineering  
Kathy L. Ruhl, Educational and School Psychology and Special Education  
David L. Sanford, Horticulture, Berks Campus  
Chikkanna R. Selvaraj, Mathematics, Shenango Campus  
Timothy P. Shafer, Music  
Abdul M. Siddiqui, Mathematics, York Campus  
Thomas M. Skeehan, Anesthesia  
Jill P. Smith, Medicine  
Ralph W. Smith, Hotel, Restaurant and Recreation Management  
Cynthia A. Stifter, Human Development and Family Studies  
Alan H. Taylor, Geography  
James B. Thomas, Management and Organization  
Linda K. Trevino, Management and Organization  
Kon-Well Wang, Mechanical Engineering  
Jerome D. Williams, Marketing  
Kathryn W. Wolfe, Humanities and Social Sciences, Penn State Erie  
Nan E. Woodruff, History  
Susan H. Xu, Management Science and Information Systems  
**To Senior Research Associate**  
Joseph L. Loomis, Exercise and Sport Science  
**RESEARCH**  
*The Office of the Senior Vice President for Research and Dean of the Graduate School has announced the following promotions for the 1993-94 fiscal year:*  
**To Senior Scientist**  
Dennis W. Ricker, Applied Research Laboratory  
**To Senior Research Associate**  
Maryellen Weimer, Center for the Study of Higher Education  
Wenwu Cao, Intercollege Materials Research Laboratory  
**To Senior Research Engineer**  
Floyd H. Reaser, Applied Research Laboratory  
**To Associate Research Engineer**  
John R. Sheakowski, Applied Research Laboratory

# CQI

Continuous  
Quality  
Improvement

A bi-weekly column to keep the University community updated on CQI activities.

### ■ POLICIES AND PRACTICES THAT HINDER CQI

In January 1993, Fred Loomis, director of administration and organizational development for Continuing and Distance Education, facilitated a "brainstorming" session with the Council on Continuous Quality Improvement in which members identified University policies and practices that hinder the practice of quality. In April, John Brighton, vice president and provost, sent a memo to the Council of Academic Deans and the President's Administrative Policy Council requesting members to solicit—from people within their areas—policies and practices that pose barriers or obstacles to the practice of quality at Penn State. To date, more than 40 policies and practices have been submitted to the UCCQI for review and dispersion to the appropriate policy steward. While it is understood that some policy review will take longer than others, the Council is asking policy stewards to complete their reviews within one month, if possible.

### ■ MAIL DELIVERY

As a result of the suggestions sent by Dr. Brighton in April seeking improvements, the Office of Business Services and, specifically, the Mail Services Department, received a request to increase delivery and pick up of mail from once per day to twice daily. It was noted that once-a-day mail service created numerous problems.

Mail Services has responded to this suggestion and will increase mail delivery and pick up to twice daily in all academic and administrative offices except Old Main and Shields Building, which will receive mail service four times daily. This increase in mail service will begin Aug. 9.

The Office of Business Services is pleased to offer increased service levels and would like to thank those individuals who responded to the CQI Council, which in turn helped to effect this change.

Any questions regarding mail service should be directed to Frank Sinclair, at 865-9171.

### ■ APPLYING QUALITY PRINCIPLES IN DAILY WORK

Look for a new CQI course this fall titled "Applying Quality Principles in Daily Work." The half-day course will provide process improvement concepts and skills, particularly for employees not involved in teams. More information about this new CQI course will be provided in the Human Resource Development Center's Fall Course Schedule.

### ■ TOTAL QUALITY IN NON-MANUFACTURING ENVIRONMENTS

Jeanne Price served as a moderator for a panel representing two of Penn State's process improvement teams from The Small College of Business Administration. The panel was part of the Total Quality Council of Central Pennsylvania's July meeting on total quality in non-manufacturing environments.

Questions about CQI should be directed to the CQI Center, University Park, (814) 863-8721.

APPOINTMENTS

Jerry C. Olson, chair and professor of marketing in The Smeal College of Business Administration, has been appointed the first Earl P. Strong Executive Education Professor. He previously held the Charles and Lillian Binder Faculty Fellowship in Business Administration for 10 years.

The Strong professorship was created in 1992 through the support of the Penn State Executive Programs and is named for Earl P. Strong, who founded the programs in 1956 and led their development for more than 15 years.

Dr. Olson's research focuses on how understanding and interpretation form cognitive structures of knowledge and the role such knowledge plays in people's thinking processes as they consider product information and make purchasing decisions.

From this theoretical base, he has explored attitude formation, advertising effects, involvement, self-concept, pricing and the philosophy of science. His work in these areas has been published in numerous scholarly journals and has underpinned *Consumer Behavior and Marketing Strategy*, a text which he has co-authored. A new book, *Understanding Consumer Behavior*, is nearing release.

Chair of marketing in The Smeal College since 1987, Dr. Olson joined the University marketing faculty in 1971 as an assistant professor, was named associate professor in 1975 and professor in 1983. He earned a bachelor of arts degree in industrial administration from Iowa State University in 1967, a master of science degree in industrial psychology from Purdue University in 1970 and a doctoral degree in consumer psychology at the same institution in 1973.

He currently serves as co-editor of the



Jerry C. Olson

*International Journal of Research in Marketing* and previously served on the editorial boards of six journals, the *Journal of Consumer Research*, *Journal of Marketing Research*, *Journal of Applied Psychology*, *Journal of Marketing*, *Journal of Business Research*, and *Current Issues and Research in Advertising*.

Dr. Olson is active in the Association for Consumer Research, serving as president in 1981. He also has been involved in the American Psychological Association, the American Marketing Association, and the Academy of Marketing Science.

Michael Rectenwald, former account manager for KMEI-FM, San Francisco, has been appointed director of sales and sales education for WFSE-AM at Penn State Erie, The Behrend College.

WFSE, one of the few university-owned commercial radio stations in the country, broadcasts business, news, and sports, including CBS News, CBS Sports, the Business Radio Network, and the Penn State Sports Network.

Mr. Rectenwald will oversee all station sales and promotions, including supervision of student interns who earn academic credit while working in sales and management positions.

For five years he worked in sales and management for Metro Network's Metro Traffic Control, the nation's largest radio network and traffic reporting service. He also worked as an account executive at Pittsburgh's WMYC-FM, WXXP-FM, and WWCL-FM.

An Alden Scholar at Allegheny College, Mr. Rectenwald graduated cum laude from the University of Pittsburgh with a degree in English literature.



Michael Rectenwald

David T. Wilson, professor of marketing in The Smeal College of Business Administration, has been appointed the Alvin H. Clemens Professor of Entrepreneurial studies.

The professorship was established through the generosity of Alvin H. Clemens, a 1950 graduate of The Smeal College and president of the insurance firm, Provident American Corporation, Norristown, Pa. Funds from the Clemens Professorship will be used to support a new program of research in the field of entrepreneurship.

Dr. Wilson, faculty director of the MBA program, is a co-founder of the Institute for the Study of Business Markets, which explores the way in which businesses market goods and services to one another. He now serves as the Institute's managing director. Also the editor of the *Journal of Business-to-Business Marketing*, he conducts research on strategic relationships between buyers and sellers, new product development and problems of sales force effectiveness.

Dr. Wilson has been a member of The Smeal College marketing faculty since 1968. He earned doctoral and MBA degrees from the University of Western Ontario in Canada and a bachelor's degree in mechanical engineering and diploma in industrial relations from Queen's University, also in Canada.

Widely published in scholarly journals, he also serves on the editorial boards of the *Journal of Business Research*, the *Journal of Marketing Management* and the *Journal of Marketing*. His most recent of 10 books, *Business Marketing: A View from the Trenches*, was published earlier this year.

Dr. Wilson has served in several capacities with the American Marketing Association over the years and was vice president of the business marketing division of the association.



David T. Wilson

## Administrative Fellows appointed for 1993-94

Two Administrative Fellows for 1993-94 have been appointed.

Janeen M. Grasser, manager of financial administration, Treasurer's Office, will serve under the mentorship of Steve A. Garban, special assistant to the president in the Office of Finance and Operations.

Howard E. Wray III, assistant dean for undergraduate education, will serve under the mentorship of John A. Brighton, executive vice president and provost of the University.

Ms. Grasser, a Penn State graduate, holds a B.S. degree in quantitative business analysis and an M.S. degree in management information systems. She joined the University staff in 1983 as an assistant accountant.

She was a financial officer in the Corporate Controller's Office, maintaining liaison with the Office of Undergraduate Programs, from 1985 to 1987 when she was appointed to her current position. In that role, she develops, maintains and monitors various reports and analyses of the University's investment portfolios; maintains liaison with external investment managers and banking representatives; and interprets and administers endowment policy for scholarship, loan and faculty-based funds.

Ms. Grasser is a member of Beta Gamma Sigma, national honor society in business and management, and was named to Achieving Women of Penn State 1992, sponsored by the Commission for Women.



Janeen M. Grasser



Howard E. Wray III

As assistant dean for undergraduate education, Mr. Wray is specifically charged with overseeing academic programs and activities systemwide. He coordinates Educational Opportunity Programs at University Park and the Commonwealth Campuses and directs the Basic Skills Program and the Learning Assistance Center at University Park.

Mr. Wray also supervises five federally funded Department of Education TRIO programs: Upward Bound, Upward Bound Math and Science, Talent Search, Educational Opportunity Centers, and the Ronald E. McNair Post-Baccalaureate Achievement Program.

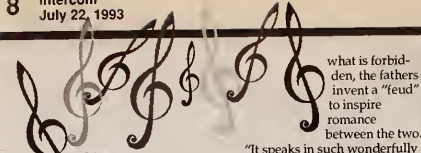
A graduate of Indiana University of

Pennsylvania with a B.S. degree in accounting and an M.A. degree in student personnel, he received a law degree from Georgetown University. Prior to joining the University staff, he was assistant dean for campus life and director of Minority Student Programs at Emory University, and associate director of Equal Opportunity Programs for the Florida Board of Regents.

A member of the Pennsylvania Association of Developmental Educators, he also is a member of the Pennsylvania Black Conference on Higher Education, the National Council of Equal Opportunity Associations, and the National Association of Developmental Educators.

The Administrative Fellows Program is designed to provide an opportunity to enhance the administrative talents and qualifications of women and minorities by involving them in mentorship experiences with top-level administrators at the University.

The program provides opportunities for fellows to participate in a wide range of decision-making processes, learning activities, and program management, so they are better equipped to handle the challenges of higher education administration. The Fellows Program also will help create a pool of qualified women and minorities for potential administrative vacancies, both inside and outside the Penn State community.



**"The Fantasticks"**  
 "The Fantasticks"

the final production of this year's Pennsylvania Centre Stage season, opened Friday, July 16 in The Playhouse on the University Park Campus. The show will continue through Saturday, July 31.

The longest running theatrical production in New York City, "The Fantasticks" opened May 3, 1959, at the off-Broadway Sullivan Street Theatre. The musical celebrated its 12,000th performance in 1989, and is still running today.

The drama turns on two young people, Matt and Luisa, drawn together as the result of a ruse created by their crafty fathers. Counting on the tendency of youth to pursue

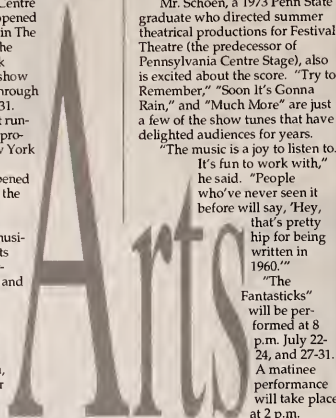
what is forbidden, the fathers invent a "feud" to inspire romance between the two.

"It speaks in such wonderful universal terms and does so simply. It's like the great fairy tales," says Walter Schoen, director of the musical.

Mr. Schoen, a 1973 Penn State graduate who directed summer theatrical productions for Festival Theatre (the predecessor of Pennsylvania Centre Stage), also is excited about the score. "Try to Remember," "Soon It's Gonna Rain," and "Much More" are just a few of the show tunes that have delighted audiences for years.

"The music is a joy to listen to. It's fun to work with," he said. "People who've never seen it before will say, 'Hey, that's pretty hip for being written in 1960.'"

"The Fantasticks" will be performed at 8 p.m. July 22-24, and 27-31. A matinee performance will take place at 2 p.m. Saturday, July



24. For ticket information, contact

the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

**Arts on Channel 3**

"Gilbert & Sullivan at Pops" will air on WFSX-TV's Evening at Pops Friday, July 23, at 9 p.m. Roger Norrington conducts an evening of Gilbert & Sullivan favorites, including "I Am the Captain of the Pinaflore" and "I'm Called Little Buttercup" from "HMS Pinaflore."

"Shirley Horn, Here's To Life," airing at 10 p.m. Friday, July 23, presents an intimate portrait of jazz singer and pianist Shirley Horn, capturing her at home in Washington, D.C. and performing at the Village Vanguard in New York City, as well as at the taping session for the title song of her new album,



**"Here's to Life,"** conducted by Johnny Mandel.

"Periman in Russia," airing at 10 p.m. Sunday, Aug. 1, presents the performances of celebrated violinist Itzhak Periman during his famed concert trip to the former Soviet Union during the spring of 1990. Included are interviews with Soviet Jewish leaders and patients in a hospital for the disabled.

Bruce Hornsby sings some of his favorite songs and biggest hits on Centre Stage airing at 9 p.m. Monday, Aug. 2. Grammy-winner Bonnie Raitt makes a cameo appearance.

"Sandpainting: Sacred Art of Tibet," airing Wednesday, August 4, at 10:30 p.m., gives viewers a close-up look at the complex and delicate process involved in the ancient Tibetan art of sandpainting. Head sandpainter and narrator Lopsang Samten shares the history, techniques, and meaning of this difficult art, and tells his own story of the struggle to preserve these sacred arts before they are lost to humanity.

**ARTS AT . . .**

**Beaver Campus**

The Center Theatre Players, Inc. (formerly Center Theatre Company) will present the hit Broadway musical "City of Angels" on Thursday, July 22; Friday, July 23, and Saturday, July 24, at the Brodhead Cultural Center's J.P. Giusti amphitheater as part of the Center's Showcase Series. Performances begin at 8 p.m.

The winner of six Tony Awards, including Best Musical, "City of Angels" chronicles the misadventures of Stine, a young novelist attempting to write a screenplay for movie producer/director Buddy Fidler. Every movie scene that Stine writes is acted out on stage by a group of characters whose costumes are limited to various shades of black and white. The same is true of the sets in which they appear and the props they use.

Rain dates for the production are Sunday, July 25; Monday, July 26; and Tuesday, July 27.

Also at Brodhead Cultural Center, a free performance by the Showstoppers, a local performing group, will be held at 8 p.m. on Thursday, July 29.

The Showstoppers will present a Broadway musical revue, with selections from "Oklahoma," "West Side Story," "Grease," and "Damn Yankees."

**LECTURE**

**Associate professor  
 to talk on  
 art and children**

Charles Garioan, associate professor of art education, will present a public lecture at 7:30 p.m. July 28 in the Assembly Room of the Kern Graduate Building. Sponsored by Summer Sessions, he will discuss "Children Learning to Critique Culture through Art."

In 1992 and 1993, Dr. Garioan was a visiting lecturer for the Arizona State University Summer Sessions Deep Creek Art Program in Telluride, Colo., where he taught performance art. He has also presented lectures across the country.

In addition, Dr. Garioan has implemented "Art History and the Museum in the Schools," a five-country in-service project to teach K-12 teachers how to use art history and museums across the curriculum. In 1992, he traveled under an Institute for Arts and Humanistic Studies grant to the former Soviet Republic of Armenia. There he conducted a case study of the Aesthetic Education Centers and the Children's Museum of Armenia. He recently received a Fulbright Scholars Award to Yerevan State University in Armenia for the 1993-94 academic year, where he will teach and continue his research.

**NEWS IN BRIEF**

**Math grant**

The Pennsylvania Department of Education has announced that Penn State Delaware County Campus, in partnership with the Tyler Arboretum, has been awarded a \$115,000 Dwight D. Eisenhower Mathematics and Science Competitive Grant.

According to John R. Ousey Jr., assistant professor of environmental science, the grant will help establish the Environmental Education Resource Teacher Training Institute, a two-year program which will train public, private, and parochial teachers in environmental education.

The institute will select elementary and middle school teachers from Delaware and Chester counties to participate in the program. Training for the teachers will consist of a three-week session from July 19 through Aug. 6. There also will be an ongoing seminar which will meet periodically during the 1993-94 academic year.

**CARPOOLERS**

Ride needed from Chester Hill to University Park. Hours flexible: 7:30 a.m. to 4:30 p.m., 8 a.m. to 5 p.m. Call Connie at 865-6091.

Lewistown-Reesville-Milroy vanpool has opening for riders. Hours are 7 a.m. to 3:30 p.m. Call Bill at 248-4361.

Carpooler need from Philipsburg to University Park. Work hours are 7:30 a.m. to 4:30 p.m., central campus office. Call Val at 863-0302.



**Final production ...** Pennsylvania Centre Stage's season concludes with "The Fantasticks," the longest running theatrical production in New York City. The musical runs through July 31 at The Playhouse at University Park. For more information, contact the Eisenhower Auditorium at (814) 863-0255.



# University Park Calendar

## July 22 — Aug. 8

### SPECIAL EVENTS

**Thursday, July 22**  
Music at Noon: Bellamy Trio—Medieval & Folk, Fisher Plaza.

**Friday, July 23**  
Ice Cream "Diversions," 7 p.m., Palmer Plaza. Music by Arthur Goldstein—Jazz.

**Saturday, July 24**  
Shaver's Creek, 9 a.m., Bountiful Beautiful Butterflies, Session II-Butterfly Count; 7:30 p.m., Bals: The Reality Behind The Myth.

**Sunday, July 25**  
Shaver's Creek, 2 p.m. Stone Valley Trail Hike.

**Tuesday, July 27**  
Music at Noon, Fisher Plaza. Stan Shepherd—Folk, Jamaican.

Shaver's Creek Summer Camps: Discovery Day Camp, ages 6-11; Discovery Leaders in Training, ages 14-17; Adventure Camp, ages 12-13, through July 31.

**Wednesday, July 28**  
Summer Series: Children Are Our Future, 7:30 p.m., Kern Auditorium. Charles Garoian on "Children Learning to Critique Culture through Art."

**Thursday, July 29**  
Music at Noon, Fisher Plaza. Andrew Jackson—Jazz.

**Friday, July 30**  
Ice Cream "Diversions," 7 p.m., Creamery/Palmer Plaza. World Famous Little German Band—Polkas & Waltzes.

**Saturday, July 31**  
Shaver's Creek, 10 a.m. Native American Series: Display of Artwork.

**Tuesday, August 3**  
Music at Noon, Fisher Plaza. Gordon Law and Friends—Jazz.

Shaver's Creek Summer Camps: Discovery Day Camp, ages 6-11; Discovery Leaders in Training, ages 14-17, through August 7.

**Wednesday, August 11**  
Classes end.

**Sunday, August 8**  
Shaver's Creek, 2 p.m. Wild Mushroom Walk.

### PUBLIC RADIO

WPSU-FM 91.1  
"All Things Considered," Monday-Friday, 5-6:30 p.m.; Saturday and Sunday, 5-6 p.m.; Morning Edition, Monday-Friday, 6-8 a.m.; Weekend Edition, Saturday and Sunday, 11 a.m.-1 p.m.  
"Odyssey Through Literature," 12:30 p.m. Wednesdays, with S. Leonard Rubinstein. "Perspectives," 6:30 p.m. Wednesdays. "Scopes: Women and Minorities in the Sciences at Penn State," 12:30 p.m. Thursday.

### CONFERENCES

**Friday, July 23**  
Diseases and Parasites of Honey Bees, 50 attendees, ASI and Headhouse 3. M. Tomasko, chair; M. Johnston, coordinator.

**Sunday, July 25**  
Olympic Development Soccer, 170 attendees, East Halls, through July 29. B. Gorman, chair; J. Sindlar, coordinator.

Foundation for Better Living Workshop #2, 55 attendees, East Halls, through July 29. D. Hall, chair; M. Johnston, coordinator.

Wrestling Camp II, 42 attendees, East Halls, through July 29. J. Fritz, chair; J. Milson-Heater, coordinator.

Field Hockey II, 150 attendees, East Halls, through July 29. C. Morett-Newman, chair; C. Herd, coordinator.

Ice Hockey Camp III, 100 attendees, Pollock

Hall, through July 30. J. Battista, chair; J. Milson-Heater, coordinator.

High School Publications Workshop, 145 attendees, East Halls, through July 30. J. Rippey, chair; C. Anderson, coordinator.

**Monday, July 26**  
Enier 2000, 41 attendees, East Halls, through July 30. J. Vrančič, chair; W. Stener, coordinator.

Incorporating Computers into the Home Economics Curriculum, 14 attendees, Friendship Inn, through July 30. L. Campanis, chair; N. McCord, coordinator.

Soccer Day Camp, 100 attendees, through July 30. B. Gorman, chair; J. Sindlar, coordinator.

Boiler Plant Engineering Problems, 38 attendees, Nittany Suites, through July 30. J. Myers, chair; D. Noyes, coordinator.

Japanese Summer Study in America Program, 40 attendees, Pollock Hall, through Aug. 19. M. Assal, chair; D. Noyes, coordinator.

**Tuesday, July 27**  
State 4-H Days, 1,300 attendees, East Halls, through July 29. B. Grider, chair; G. Peterson, coordinator.

Japanese International 4-H Youth Exchange Conference, 110 attendees, East Halls, through July 30. A. Etling, chair; M. Johnston, coordinator.

Twelfth Summer Symposium in Molecular Biology, 350 attendees, Pollock Halls, through July 30. "The Structure/Function Relationships in Proteins and Enzymes:" K. Rashid, chair; C. Herd, coordinator.

PA Labor Communication Association, 25 attendees, Nittany Lion Inn, Days Inn, through July 30. G. Gall, chair; C. Herd, coordinator.

**Saturday, July 31**  
Geochemistry of the Earth Surface Meeting, 175 attendees, Nittany Lion Inn, through Aug. 6. L. Kump, chair; J. Sindlar, coordinator.

NAFEX Meeting, 125 attendees, Days Inn Penn State, through Aug. 11.

### SEMINARS

**Thursday, July 22**  
Summer Seminar, 3:30 p.m., Nittany Lion Inn, Fireside Lounge. Susan Abmayr on "Embryonic Muscle Development: Common Themes from Fruit Flies to Humans."

**Sunday, August 8**



### Lone paw

Pittsburgh sculptor Paul Bowden puts the finishing touches on one of two lion's paws that will flank the doors of the Palmer Museum of Art. A second paw, to be installed before Aug. 1, is still in pieces in Baltimore. It's assembly has been delayed by the intense summer heat and humidity. The paws, which are five-feet long, three-feet high and weigh hundreds of pounds each, are part of the extensive renovations and expansion of the museum—which will open its doors to the public with special hours Labor Day weekend. Museum hours for that weekend will be Saturday, Sept. 4, Sunday, Sept. 5, and Monday, Sept. 6, from 10 a.m. to 5 p.m.

Photo: Greg Grieco

### EXHIBITS

**Pattee:**  
**Rare Books Room:**  
■ Australia: Art and Literature, through August 13.  
**West Lobby Gallery:**  
Dimitri A. Kozryev's works in acrylic, crayon, gouache, ink, oil, tempera and watercolor, through July 31.  
**East Corridor Gallery:**  
The Eye of the Beholder, Margaret Duda, photographer, and Robert Lima, poet, through July 31.  
**Lending Services Gallery:**  
Computer Graphics: A New Direction in Art by Sylvia Baron, through July 31.  
**Zoller Gallery:**  
Orats National 27, through July 25.  
A Master of Fine Arts Exhibition: Recent work by ceramic artist Master of Fine Arts Candidate, Aug. 1-6.

### TIPS

**Information Penn State**  
Call 863-1234, press 1 and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are: Weather—234; Arts Line—345; University Calendar—456.  
■ Reflects an international perspective.

## Promotions

### COOPERATIVE EXTENSION

The following promotions for staff members in Penn State Cooperative Extension in the College of Agricultural Sciences are effective July 1.

#### To Senior Extension Agent

Carolyn L. Belczyk  
Robert E. Leiby  
Clyde A. B. Myers  
Judith L. Schwank  
William C. Shurfstall

#### To Extension Agent

Thomas S. Becker  
Patricia A. Conon  
Cathy B. Guffey  
Dan F. McFarland

#### To Associate Extension Agent

Daniel L. Brockett  
Karen S. Hack  
Mary S. Shick

## DuBois Campus to begin scholarship campaign

A small scholarship awarded more than three decades ago is having a significant impact on tuition assistance for future Penn State DuBois Campus students.

Campus alumnus Robert Umbagh, retired president and CEO of Mission Land Co. of Brea, Calif., has agreed to chair a steering committee for scholarship endowment at the campus. Mr. Umbagh, a DuBois native, now resides in California.

"I applied for a scholarship when I was a student at the campus," Mr. Umbagh said. "The amount was very modest, particularly by today's standards, but I've never forgotten the help I received through that scholarship award."

Mr. Umbagh, along with his wife, Joyce, has returned the favor by endowing a named scholarship at the campus and is now taking the work a step further by chairing the steering committee. Committee members have agreed to raise scholarship endowment at the campus to more than \$1 million, although a final goal and announcement date have not been set.

Committee members who have agreed to serve with Mr. Umbagh include D. Edward Chaplin, senior vice president and trust officer for Deposit Bank of DuBois; Douglas Dobson, retired president of Stackpole Corporation in St. Marys; John A. Meyer, professor emeritus of the State University of New York (SUNY) at Syracuse; Sherwood Moody, executive vice president for Clearfield Bank and Trust Company of Clearfield; William H. Shenkle, retired plant manager for Rockwell International in DuBois; and William H. Young, Jr., president of Equimeter, Inc. of DuBois.

DuBois Campus currently holds approximately \$500,000 in scholarship endowment.

## FROM THE TRUSTEES DOCKET

## New degree programs discussed; changes to existing programs reviewed

The Board of Trustees has reviewed a new major in geo-environmental engineering in the College of Earth and Mineral Sciences and a new master of agriculture degree in soil science in the College of Agricultural Sciences.

The interdisciplinary major in geo-environmental engineering provides the engineering skills needed to cope with global-scale environmental issues arising from the extraction and use of minerals and fuels. The major provides a general background in basic and engineering sciences, while allowing students to specialize in geo-environmental problems associated with air, land or water.

The master of agriculture degree in soil science will be available to graduates with the recently approved soil science undergraduate major as well as to other students being trained in natural resource evaluation and management. Students will be equipped to deal with critical problems in the inventory, evaluation, management and use of soils.

## Golf course plans receive okay from Board

The Board of Trustees has approved the construction of a new golf course facility on Blue Course Drive at University Park. The 5,700-square-foot facility will include a golf shop, offices, food services and restrooms with locker rooms.

The facility, which will replace a small temporary shelter located on the Blue Golf Course since its opening in the early 1970s, will be adjacent to the first tee for the White and Blue courses. With the reconfiguration of holes and

Trustees also were informed of changes in the following undergraduate and graduate programs:

— In the College of Health and Human Development, a non-thesis option for the master of science degree in nursing will be added.

— In The Mary Jean and Frank P. Smeal College of Business Administration, the major in quantitative business analysis has been renamed the major in management science and information systems.

— In the College of Engineering, the master of engineering degree in industrial engineering will be dropped at the University Park Campus but continued at Penn State Great Valley.

— The degree requirements will be changed for the master of science degree in industrial engineering with thesis option. The change increases the total number of courses and the number of 500-level courses required for a master of science degree.

construction of new holes, there again will be 18 holes each on the Blue and White Courses next spring.

Construction is scheduled to begin before winter and be completed in early spring 1994.

Architect for the project is the Office of Physical Plant. The total cost is not to exceed \$800,000. Funding is available through a generous donation from Eric Walker and his wife, Josephine, together with golf course revenues. The University is grateful for the support of Dr. and Mrs. Walker.

## Additional parking, project outlined

The addition of roughly 250 parking spaces is planned for the existing 180-space Parking Lot Orange E, near the Shields Building on the University Park Campus, the Board of Trustees has learned. The new spaces will replace parking removed due to the construction of the Bryce Jordan Center.

Land to be used for the new parking is due to be vacated by the College of Agricultural Sciences. As part of the project, several existing poultry buildings will be demolished. However, replacement poultry facilities already are under construction.

The additional parking is part of a five-year University parking development plan prepared by the University Parking Committee consisting of faculty, staff and students. The new spaces are funded by parking fees.

Other portions of the original 14-acre poultry site are proposed for conversion to playing fields for football, soccer, lacrosse or field hockey. A portion of the original poultry headquarters building may be retained and adapted for use as a sports pavilion.

Other features proposed for the site include six intercollegiate tennis courts and a park-like picnic area.

### Changes in IDT requirements for MOC

To better serve the University community, the Microcomputer Order Center has put together a checklist of items that will ensure efficient processing of IDTs for computer and accessory orders. In addition to the basic information, orders should be on current IDT forms and include:

1. Object Class: Please take care in assigning object classes, especially for equipment over \$1,000.

When purchasing an item that is to be a physical addition to an item that already has a Penn State Property Inventory tag, you must use the 710 object code regardless of the cost of the additional item. The value of enhancements must be added to the value of the existing item to accurately reflect the true value. If you code your purchase using the 710 object code, Property Inventory will receive a copy of your purchase document and will be able to update their records accordingly.

For example, if a department has a computer valued at \$2,000 and purchases \$200 of additional memory, the purchase document budgetary charge would be:

Budget #	Fund	Object	Amount
00-123-45	1001	710	\$200

In description of the purchase document, the inventory tag number must be indicated, so Property Inventory can identify the item to which the \$200 will be added. For example: "NOTE TO PROPERTY INVENTORY: Add to PSU tag #00987654."

### FACULTY / STAFF ALERTS

If this information is not included on the IDT, it will be returned.

2. Order Numbers: To ensure accuracy, please include the MOC item number or the vendor item number. NOTE: All items returned must be unopened and will be charged a 10% restocking fee.

3. Price: DO NOT fill out prices and totals under "Amount." Prices change frequently and are not confirmed until delivery. "Estimated Costs" can be filled in.

4. Signatures: Your budget assistant, administrator or executive AND financial officer must sign the IDT.

5. Itemized Orders: Your entire order must fit on one IDT. If more space is needed, please create a new IDT. Attached lists cannot be accepted.

6. Complete IDT: Any incorrect or incomplete IDTs will be returned.

As items are available, they will be delivered to your office immediately. If items are backordered, you will receive a form with an anticipated recovery date. This is the date the vendor expects to have the product available. Delivery to you should follow within the week. Your department will not be charged until all items on the IDT are delivered or the fiscal year end. All partially delivered IDTs will be priced and processed at fiscal year end. Restricted budgets and funds are charged as items are delivered. If an office requires special processing, call the MOC.

For a complete checklist on how to fill out IDTs, call the MOC at 865-2100.

### Suspicious packages

Recently, packages containing explosive devices have been received by researchers at Yale University and the University of California in San Francisco. In an effort to keep faculty and staff updated on precautions to take if a suspicious package arrives, University Police Services have issued a list of indicators of packages that should be handled with caution. The checklist follows:

- Restrictive markings (personal, confidential) on the package, excessive postage, no return address, misspelled words, addressed to a person's "title only," or badly typed or written address;
- Rigid or bulky, lopsided, emits a strong odor, or has oily stains on wrapping.

If you are suspicious of a mailing and are unable to verify the contents with the sender:

- 1) Do not open the article.
- 2) Isolate the mailing and evacuate the immediate area.
- 3) Do not put the package in a confined space, such as a filing cabinet.
- 4) If possible, open windows in the immediate area.
- 5) If you have reason to believe a letter or parcel is suspicious, do not take a chance or worry about possible embarrassment if the item turns out to be innocent. Contact police immediately at 911 or 863-1111.

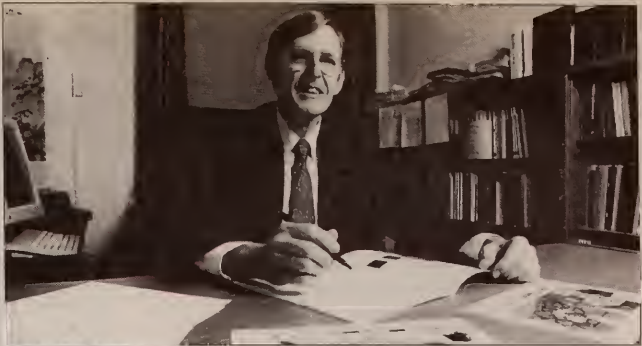
Any department needing a class on identifying suspicious packages should contact Investigator Ronald L. Schreffler at 863-1111.

## State has fewer high school dropouts but also less college grads

*"While Pennsylvania places a stronger emphasis than other states on elementary and secondary education, the reverse is true with higher education."*

Compared to the entire United States, Pennsylvania produces fewer high school dropouts, but also fewer college graduates, according to a Penn State demographer.

"Of the estimated 3,262,000 young Pennsylvania workers ages 15-39, a total of 680,000 or 20.8 percent were high school dropouts in March 1991," Gordon F. DeJong, professor of sociology, said. "Nationwide, 25.1



Gordon F. DeJong

percent of young workers were high school dropouts.

"While Pennsylvania places a stronger emphasis than other states in general on elementary and secondary education, the reverse is true with higher education," Dr. DeJong added.

In 1989, Pennsylvania ranked 32nd in the nation in the percentage of the adult population holding a college degree. Most Northeastern states ranked higher on the scale than Pennsylvania.

Dr. DeJong is the author of the report, "Educational Attainment And Economic Development: Pennsylvania's Young Workers In The 1990s," published by the University's Population Research Institute.

In 1991, the percentage of young Pennsylvania workers who stopped their education with a high school diploma was 43.4, compared to the national average of 36.2 percent, Dr. DeJong noted.

On the other hand, while 21.2 percent of young

workers nationwide had completed one to three years of college, the Pennsylvania average was only 19.1 percent. Furthermore, while 16.6 percent of Pennsylvania's young workers had a college degree, the national average was 17.3.

"The state's economy entered the 1990s with almost two-thirds of its young workers with no more than a high school education," said Dr. DeJong, director of the University's graduate program in demography. "This places Pennsylvania at a distinct economic development disadvantage compared to other states."

Dr. DeJong's report uses U.S. census data from March, 1991 Current Population Survey.

The national sample consisted of 2,339 young Pennsylvania men and women ages 15-39 who were either working full-time or part-time, or were unemployed and looking for work.

— Paul A. Blum

### Work improves with time

Contrary to popular belief, the longer Americans work, the more satisfied they become.

Two University experts report that despite societal change and fluctuations in the economy, successive generations over the past 20 years have reported no real decline in job satisfaction.

"It would appear that levels in job satisfaction are related to the life cycle, as opposed to job satisfaction worsening in the next generations. We are maintaining stability," said Brian D. Harley, a doctoral student in sociology.

Mr. Harley and Glenn Firebaugh, professor of sociology, explain that research indicates as both blue-collar and white-collar workers continue through their careers, they try to gravitate toward positions that better suit their needs, which naturally increases their job satisfaction. In addition, job contentment jumps as workers leave unfulfilling jobs and find jobs that are more fulfilling.

"In the United States, people are largely identified by their jobs," he said. "As a result, job satisfaction has a powerful impact on one's social adjustment, as well as economic well-being."

### Building a better tennis player

Tennis players could increase the power of their strokes — not to mention their

overall fitness — through a modest program of strength training, according to a study by Penn State's Center for Sports Medicine.

Collegiate women tennis players who engaged in an experimental, nine-month program of weight training improved the velocity of their serve, forehand and backhand by as much as 14 percent to 35 percent. They also lowered their body fat slightly and increased their lean muscle mass, among other benefits.

The results could come as a surprise to many tennis players, who typically don't think of the weight room as part of the training for their sport, William J. Kraemer, the center's director of research and head of the study, said. Those who do try resistance training often make the mistake of using a program that was intended for another purpose, such as body building, according to Dr. Kraemer.

"Resistance training has both performance benefits and physiological benefits. It also can help prevent injury," he said.

### Gain a quieter ride

The frequently mind-numbing din found in helicopter and small aircraft cabins can be hushed by converting their structural surfaces into weak acoustic radiators, according to Gary Koopman, professor of mechanical engineering.

Vibration, usually created by mechanical activity of some kind, is what causes noise near gear boxes and in aircraft cabins. Weak radiators are vibrating surfaces that convert only small amounts of mechanical energy into sound, but efficiently convert the energy into heat.

"Quiet structures vibrate in a series of weakly radiating patterns or modes that, because they are inefficient, create minimal sound and very small amounts of heat," said Dr. Koopman, who also is director of the Center of Acoustics and Vibration.

Using conventional materials, researchers can vary the material thickness or distribute small masses on a metal plate, to create these weakly vibrating modes, but until recently were limited in making major changes because of the inherent properties of the materials. Dr. Koopman and his colleagues are set to begin a new project with the Chrysler Corporation. The project will include redesigning compliant engine components from materials tailored to

passively control noise. Compliant components are anything on the engine that vibrates from the forces of engine combustion, including the valve cover and oil pan panels.

### Helping disabled communicate could boost their leisure enjoyment

Increasing the leisure time enjoyment of people with communication disabilities could be as simple as designing aids specifically aimed at their favorite activities.

"Most people with disabilities who use communication aids experience significant difficulties expressing their needs in day-to-day matters, let alone during recreation," Janice Light, assistant professor of communication disorders in the College of Health and Human Development, noted.

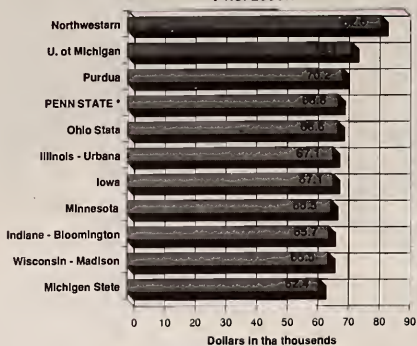
Dr. Light and other experts in Penn State's Speech and Hearing Clinic have individualized communication aids for clients with anywhere from a full range of physical motion to near total paralysis. The aids run the gamut on the technological scale from notebooks filled with prearranged messages to computer-based systems that print out messages or produce synthesized speech.

"In addition to expanding our clients' range of expression, specialized aids can allow them to communicate in situations in which they previously could not," she said.

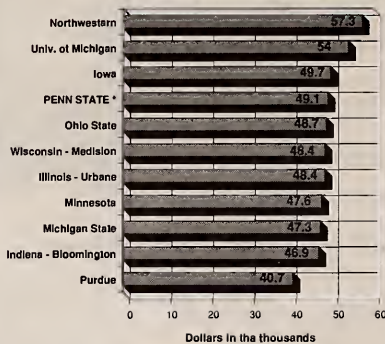


## Average Salaries of Instructional Faculty at Big Ten Institutions 1992 — 1993

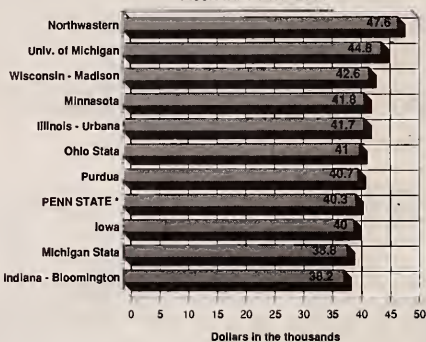
PROFESSOR



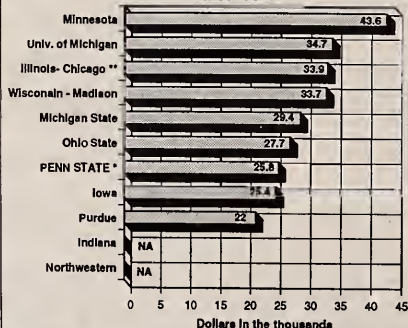
ASSOCIATE PROFESSOR



ASSISTANT PROFESSOR



INSTRUCTOR



\*\* Please note that this salary figure is for instructors at the University of Illinois - Chicago, not Urbana as in previous graphs.

Instructor salary figures were not available for Northwestern or Indiana.

\* All Penn State figures are for University Park faculty only.

## PEPP receives boost from Heinz Endowment

The Howard Heinz Endowment has announced a \$202,000 grant to the College of Education for the Penn State Educational Partnership Program (PEPP).

PEPP, initiated in 1988 in Reading by then Penn State President Bryce Jordan, is an early-intervention, comprehensive academic support program that addresses the needs of economically disadvantaged youth. In 1989, the program expanded to the Penn State McKeesport Campus and in 1991 the program was moved into the College of Education, which has expanded the program to yet another site, Penn State Beaver Campus.

"The program's aim is to help these youth acquire the skills and attitudes that will enable them to successfully pursue educational and career aspirations," Rodney J. Reed, dean of the College of Education, said.

Important elements of the program focus on building self-esteem early, developing and reinforcing learning skills in the students, and instilling a desire to complete their high school education and go on to college.

"The program," added Robert Nicely, associate dean of outreach and faculty development, "attempts to reach children before the despair of school failure ensues a hopeless cycle of life failure."

Interventions include tutoring, mentoring, teacher training, after-school programming, summer institutes in writing, inspirational speakers, providing computer laboratories and summer residence programs at the University Park Campus. All are designed to enhance the students' academic skills and self-esteem.

Early results are encouraging. Data indicate that the academic progress of students has improved at all PEPP locations. One recent report showed that 92 percent of participants in the PEPP Academy, an after-school tutoring program, improved a letter grade in at least one subject area and 15 percent improved in four or more subjects. Improved attitudes concerning school and increased self-confidence in academic ability also were perceived by the participants, their teachers, and their parents.

Under the direction of the College of Education, and with the assistance of the Heinz Endowment grant, the program will extend to include parents' programs, additional research, and increased services to students and their teachers.

"We are justifiably proud of the results PEPP has produced," Dean Reed said. "With the assistance of the Heinz grant, we are confident that PEPP will be even more effective as it serves a larger group of students, the real beneficiaries of this grant."

The Howard Heinz Endowment, located in Pittsburgh, makes grants in the fields of health, education, human services, community development, civic affairs, and the performing and visual arts to nonprofit organizations located in the Commonwealth of Pennsylvania, with a primary emphasis given to organizations in Pittsburgh and Western Pennsylvania.

## PRIVATE GIVING

## Library campaign continues growth Couple gives \$150,000 to Pattee and H&H D

Penn State alumni Edward R. and Helen Hintz of Chatham, N.J., have given the University \$100,000 to help build a new library wing and \$50,000 to endow a scholarship in the College of Health and Human Development.

The library donation is part of the University's campaign to raise \$10 million in private funds to expand Pattee Library. The scholarship honors Sara Clemen Parks, associate professor and associate dean in the College of Health and Human Development.

"Ed and Helen Hintz are committed to academic excellence at Penn State," President Thomas said. "They have shown the depth of their commitment in many ways over the years, and we appreciate their most recent act of leadership and generosity."

Ed Hintz is president of the New York investment firm of Hintz, Holman and Heckscher. In April, he was elected chairman of the National Development Council, the University's top voluntary fund-raising body. He graduated from Penn State in 1959 with a bachelor's degree in business administration and has long been a leader in alumni and fund-raising activities.

Helen Hintz is a 1960 home economics graduate of Penn State and currently holds the position of coordinator for career development in the Department of Nutrition, Food, and Hotel Management at New York University.

Including the Hintzes' gift, The Campaign for the Library has secured gifts and pledges totaling more than \$5.7 million. These funds will be combined with a \$14.8 million state appropriation to expand Pattee Library. The Hintzes are members of the volunteer committee that is leading The Campaign for the Library, chaired by Head Football Coach Joe Paterno.

"The library has always been a special place for Helen and me," said Ed Hintz. "We both spent many hours there



as students-in fact, we first met there. But more importantly, we realize that the library is critical to the quality of Penn State's academic programs, and we are pleased to make this gift."

The multi-story addition will include space for a number of specialized collections, seminar rooms, a public lecture hall, and a new entrance. Computer and telecommunications technologies will be expanded and upgraded.

The Parks scholarship will assist returning adult students who demonstrate financial need and superior academic abilities. Sara Clemen Parks is a professional associate and longtime friend of Helen Hintz. The scholarship also recognizes her election as president (1993-94) of the American Dietetics Association.

"Sara has played a very positive role in my life in many ways," noted Helen Hintz. "This scholarship is a way of saying how grateful Ed and I are."

The Hintzes' have made previous major gifts to the Bryce Jordan Center, scholarships honoring Senior Vice President for Finance and Operations Steve Garban and President Emeritus and Mrs. Bryce Jordan, and the Penn State Berks Campus.

Ed Hintz chaired a successful campaign (1991-92) to raise \$20 million in gifts to build the Jordan Center. He also served as a vice chair of The Campaign for Penn State, a six-year (1984-1990) effort that raised \$352 million for the University's academic programs. He is an Alumni Fellow of The Smell College of Business and serves on the college's board of visitors. The University named him a Distinguished Alumnus in 1987.

The Hintzes' youngest daughter, Virginia, is a 1993 graduate of the College of Health and Human Development.

## Mid-State Bank is \$50,000 donor to library fund

Altoona-based Mid-State Bank and its parent company, Keystone Financial of Harrisburg, have given \$50,000 to help expand Pattee Library at the University Park Campus.

The gift, part of a University effort to raise \$10 million in private funds for the project, was announced jointly by Mid-State President William Rossman and Keystone Financial President and Chief Executive Officer Carl Campbell.

"We're pleased to participate in this project, because the library is an important resource that strengthens the quality of the University's total educational experience," Mr. Rossman said. "And when we strengthen Penn State, we strengthen the quality of life in central Pennsylvania."

Keystone Financial and Mid-State Bank are delighted to support Pennsylvania's flagship university, especially the library, which is the cornerstone upon which the academic enterprise is built.

The University has now received more than \$5.7 million in gifts and pledges toward its goal. Private funds will be combined with a \$14.8 million state appropriation for the project.

"We deeply appreciate this generous gift from our

friends at Keystone Financial and Mid-State Bank," said Head Football Coach Joe Paterno, who serves as volunteer chair of the fund-raising campaign. "Their support is a commitment to make Penn State number one in academic quality."

The multi-story addition adjoining the east wing will house several new or expanded libraries within the library, such as an education library, a life sciences library, a humanities library and a business library. A new Library for Special Collections will provide special security and environmental controls for such materials as rare books, ancient manuscripts and important archives.

The addition also will contain seminar rooms, a lecture hall, a new public entrance, and greatly expanded computer and telecommunications technologies. The planned improvements not only will increase the library's capacity to store materials but also will enable patrons to access this information more quickly. About 1.5 million patrons use Pattee Library each year.

Mid-State Bank has 30 offices in Centre, Blair, Clearfield, Huntingdon and Bedford counties. The bank previously has supported such Penn State projects and programs as the Bryce Jordan Center, the Penn State Altoona Campus, scholarships and the arts.

Another Keystone Financial subsidiary, Pottsville-based Pennsylvania National Bank and Trust Co., also has supported Penn State's library programs. The bank recently donated a George Luks mural valued at \$475,000 to the Penn State Schuylkill Campus, and made a \$100,000 gift to help build the Cletch Memorial Library on that campus.

## Estate endows School of Forest Resources

The School of Forest Resources has received \$179,000 from the estate of Robert T. Billin of Altoona for endowed scholarships.

Mr. Billin, a Blair County native, graduated from Penn State with a bachelor's degree in forestry in 1920. He was co-owner of the J.W. Runk Insurance Agency in Altoona before his retirement in 1963. He died in 1991 at age 94.

"Scholarship support is extremely important in these times of limited resources," Kim Steiner, interim director of the School of Forest Resources, said. "Mr. Billin's gift will enable us to recruit talented students to the school."

Income from the endowment will support the Robert T. Billin Memorial Scholarship, which will assist undergraduates in the School of Forest Resources who have superior academic records or financial need.

## University receives Exxon gift

The Exxon Education Foundation has given Penn State \$64,400 to help meet its most critical academic needs. The gift represents a 3-to-1 match of 83 gifts made to the University in 1991-92 by Exxon employees and retirees.

Presiding the matching funds was Karl Fink, marketing vice president of Exxon Co. International. Mr. Fink, of Houston, Texas, graduated from Penn State in 1963 with a bachelor's degree in chemical engineering.

"The foundation is very pleased to be joining with Exxon employees and annuitants in continuing to support Penn State's tradition of excellence," he said.

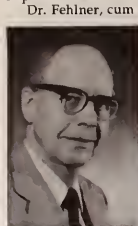
The University will allocate the foundation's matching gift to those areas critical to the academic program but that have received inadequate funds from other sources. Exxon personnel may designate their contributions for specific purposes.

The Irving, Texas-based foundation instituted its matching gift program in 1962 to stimulate individual giving to colleges and universities. Since then, it has provided more than \$123 million to about 1,000 institutions of higher learning.

## Penn State Worthington Scranton Campus

## Faculty members cited for excellence

James R. Fehlner, associate professor of chemistry at the Penn State Worthington Scranton Campus, has received the 1993 Pharmakon Laboratories Award for Excellence in Scholarship. The award was established in 1988 by Richard and Sally Mathews to recognize outstanding performance in scholarship and research.



James R. Fehlner

Dr. Fehlner, cum laude graduate of Siena College, Loudonville, N.Y., received his doctoral degree in organic chemistry from the University of Rochester. He completed his thesis work at Sir George Williams University in Montreal, Canada, and was a postdoctoral fellow at Vanderbilt University.

Prior to joining the Worthington Scranton faculty in 1978, he was a research chemist at E.I. du Pont Nemours, Inc. in Washington, Del. Dr. Fehlner was a primary force in establishing and leading the University Scholars and Campus Honors Program. In that capacity, he developed several honors courses, including a course in teaching students how to teach chemistry.

He was the 1982 recipient of the Gertrude Hawk Chocolates Award for outstanding service to the campus and the 1989 C.I. Noll Award for Outstanding Teaching in the Eberly College of Science.

He is a member of the scientific honor society Sigma Xi and the American Chemical Society and collaborates on industrial organic chemistry projects with the research staff of Inrad, Inc.

Norbert J. Mayr, assistant professor of history at the Penn State Worthington Scranton Campus, has received the 1993 Campus Advisory Board Award for Teaching. Funded in 1983 by the Campus Advisory Board, the award recognizes a faculty member who has demonstrated innovative and dedicated teaching techniques in his/her academic endeavors.

Dr. Mayr, member of the campus faculty since 1989, earned his bachelor's degree summa cum laude from Fayetteville State University and his master's and doctoral degrees from the University of North Carolina at Chapel Hill.

In addition to his teaching duties, Dr. Mayr is co-coordinator of the University Scholars and Campus Honors Program. In 1991, he was awarded the Gertrude Hawk Chocolates Award for outstanding campus service and the University's Kent Forster Undergraduate Teaching and Faculty Development Award.

Dr. Mayr also has been the recipient of two Fulbright grants for study and teaching in Germany. His other academic honors include an appointment as Distinguished Research

Fellow at Cornell University, a National Endowment for the Humanities travel grant, and several University Research and Development Grants.

His professional memberships include the American Historical Association, German Studies Association, the Conference Group on Central European History, and the History of Education Society.

Marlene Pilarcik Soulsby, associate professor of German at the Penn State Worthington Scranton Campus, has received the 1993 Gertrude Hawk Chocolates, Inc. Award.

Instituted in 1979 by company president Elmer Hawk, the award recognizes a member of the University's faculty, professional, or administrative staff who exhibits outstanding performance and service in academic endeavors, co-curricular activities, and service to the community.

Dr. Soulsby is a graduate of the Indiana University of Pennsylvania with a bachelor's degree in German. She received her master's degree in German from Penn State and her doctoral degree in comparative literature from the State University of New York in Binghamton. She joined the Worthington Scranton faculty in 1970.

Dr. Soulsby's teaching abilities have been honored twice before. She is the 1989 recipient of the Advisory Board Award for Excellence in Teaching and the 1991 recipient of the George W. Atherton Award for Excellence in Teaching. In 1991 she also received the Penn State College of Liberal Arts Alumni Outstanding Faculty Advisor Award.

In addition to her teaching responsibilities, she is co-director of the Campus Honors Program, adviser of the German Club, Education Abroad adviser, and faculty representative to the WSC Alumni Society.

In 1991, Dr. Soulsby was awarded a Fulbright Grant for summer study in Germany. She holds memberships in several professional organizations, including the International Society for the Study of Time, the honorary German society Delta Phi Alpha, Modern Language Association, and the American Comparative Literature Association.



Marlene Pilarcik Soulsby

State, a master's degree in the same area from Florida State and a doctoral degree in business policy and strategy from the University of Texas at Austin.

Students praised Dr. Gittings for his sense of understanding, his patience and his knowledge. They also cited him for his willingness to make time to provide advice in a busy schedule of teaching and research commitments.

Dr. Gittings holds two degrees from Penn State, bachelor's and doctoral degrees in business administration, as well as a master's degree in transportation from Northwestern University.

Mr. Wildman was cited for the mixture of enthusiasm, humor and informational mastery he brings to the classroom. Students said they find him both challenging and inspiring.

He holds a bachelor's degree in microbiology from the University of Rochester and an MBA from the Miami University of Ohio, where he also served as a finance instructor.



Norbert J. Mayr

## Research fellowship granted

Thomas J. Gramila, assistant professor of physics in the Eberly College of Science, has received a 1993 Sloan Research Fellowship from the Alfred P. Sloan Foundation. The highly competitive award carries a \$30,000 grant over a two-year period.

The Sloan Research Fellowship Program, one of the oldest fellowship programs in the nation, supports research efforts of scientists in the early stages of their academic careers. According to the foundation, Fellows are selected on the basis of their "exceptional promise to contribute to the advancement of knowledge." This year, 90 outstanding young scientists in the fields of physics, chemistry, mathematics, neuroscience, and economics, have been honored as Sloan Research Fellows.

Dr. Gramila's research in experimental condensed matter physics focuses on the fundamental properties of electronic systems, especially metals and semiconductors. His experiments are performed at temperatures close to absolute zero (about -459 degrees Fahrenheit) and in very high magnetic fields.

"By examining materials under these extreme conditions, we are able to isolate unusual physical phenomena and study them in detail," he says. "This frequently provides us with valuable insights into the physics of these materials."

Prior to joining the University faculty in 1992, Dr. Gramila was a postdoctoral member of the technical staff at AT&T Bell Laboratories from 1990 to 1992 and held research positions at Cornell University's Laboratory of Atomic and Solid State Physics from 1982 to 1990. He earned his bachelor's degree at Columbia University in 1979 and his master's and doctoral degrees at Cornell University in 1984 and 1989, respectively.



Thomas J. Gramila

## Three in business receive awards for outstanding service

The Smeal College of Business Administration has selected James B. Thomas, Gary L. Gittings and Charles L. Wildman as winners of the 1993 Fred Brand Jr. awards.

Dr. Thomas, assistant professor of management, won the Fred Brand Jr. Outstanding Teacher Award; Dr. Gittings, assistant professor of business logistics, received the Fred Brand Jr. Outstanding Adviser Award; and Mr. Wildman, a Ph.D. student in finance, was honored with the Fred Brand Jr. Outstanding Graduate Student Teacher Award.

The Brand awards honor teaching and advising excellence in The Smeal College's undergraduate programs. They were established in 1979 through the support of Fred Brand Jr. of Pittsburgh, a 1932 graduate of the University who went on to a highly successful career in the insurance industry.

Dr. Thomas was cited for his commitment to teaching and was singled out by a colleague as one of The Smeal College's leading instructors. Another faculty member said that Dr. Thomas' teaching quality is such that students bring their friends to his classes.

He holds a bachelor's degree in political science from Penn

## Budget software prepares proposals with little work and great flexibility

Researchers can select three menu options and turn a simple columnar budget into a finished, formatted budget proposal, thanks to a unique budget preparation software package developed by the College of Engineering Office of Graduate Studies and Research.

"This is not an accounting package or a typical spreadsheet approach, but a budget preparation package that estimates cost for budget proposals accurately and with great flexibility for individualized research programs," said John McKee who developed the CFS concept and coordinated the creation, function, and packaging of the software.

"Researchers can create their initial budget in a typical column format, and literally using only three more commands, can turn it into a document with all necessary cover pages and budget forms for selected government agencies," he added.

The user-friendly software already is extensively in use at Penn State and Texas A&M.

The software package performs all budget calculations automatically. After a user enters the basic budget information, CFS applies appropriate rates, calculates costs, and organizes and prints a final budget on any one of several agency forms or in an original format. A few of the agency formats provided automatically by CFS include the National Science Foundation, the Public Health Service, and the Department of Energy.

CFS also prompts users for necessary information and

incorporates indirect cost rates, fringe benefit rates, fiscal year start-up and other parameters. Items such as salaries and fringe benefits and indirect costs are calculated automatically.

Other features include automatically-generated budget notes; an easily accessible cost proposal database; column formatting of single, multi-year and total budgets; complete flexibility by line item category for budget preparation; instant and total and "what if" calculations for budget estimates and easy transferal between PCs.

CFS is designed to operate on a 286 class PC with 640K RAM and a hard disk, but is available for other PCs. Clipper, the software basis for CFS, is designing additional software for a Mac version.

CFS developers include Mr. McKee, coordinator of engineering research funds; Jerry Ciofkosz, a programmer/analyst who created the programming; Walter Beatty, director of engineering management information systems, who did early programming work, and Irene Johnston-Petrick, technical editor, who developed and wrote the manual and documentation.

CFS is licensed to Research and Management Systems, Inc. (RAMS, Inc.), of Gaithersburg, Md. and is distributed in single-user copies and by site license. Penn State retained free use of the software. For more information, contact RAMS at 301-963-5226 or Mr. McKee at 814-865-1804.

### PENN STATERS

Dale Baker, professor emeritus of soil chemistry, has received the first Honorary Lifetime Membership from the American Coal Ash Association in recognition of his research on coal ash for use in land reclamation.

Lorraine A. Cavaliere, director of continuing education at Penn State Great Valley, has been appointed a 1993 National Research Fellow for the Project for the Study of Adult Learning at Illinois State University.

Joseph L. French, professor of special education and educational psychology, has received the Dorothy H. Hughes Memorial Award from New York University. The award, established in 1961 by the Westchester Association of School Psychologists, is given each year for outstanding achievement in the field of educational or school psychology.

Susan Kennedy, associate director, University Health Services, has been elected a fellow of the American College Health Association.

### PARTINGS

## Associate professor retires after 20 years

Jo C. Searles, associate professor of English and women's studies, at the Penn State Altoona Campus, has retired after 20 years of service.

Dr. Searles taught at Penn State Beaver Campus from 1972 to 1974 and at Penn State Altoona since 1974. She worked at University Park with the Summer Intensive Program of Upward bound at its inception in 1972 and as a faculty coordinator for program development in the Office of the Associate Dean for the Commonwealth Educational System for two years from 1978 to 1980.

She also has been a lecturer at University Park in women's studies and WFSU programs, has worked as liaison for the Pennsylvania Commission for Women, and in 1989-90, presented a series of lectures statewide for the CES Women's Studies Tour.

Dr. Searles has lectured and taught internationally. In 1976 she gave a lecture tour in Brazil for the U.S. Information Agency, speaking at the Cultural Institute in Manaus and universities in Para and Pernambuco. In 1980, she led a faculty seminar at the

New University of Lisbon, Portugal, and spoke on contemporary American culture and literature at the University of Aveiro and the University of Minho at Braga. Most recently, she was an invited lecturer and consultant at the Kolej Damansara Utama in Selangor, Malaysia, during the summer of 1988.

Her work in national professional organizations has included membership in College Composition and Communication, the National Women's Studies Association, and the College English Association. In the CEA she established the Women's Studies Connection, was elected to various committees, and in 1992 received the annual CEA Distinguished Service Award. She has also been active in the Mid-Atlantic NWSA and the Pennsylvania CEA, and after holding all offices in the latter, is now on the Advisory Board.

She received her B.A. from the University of California at Berkeley in 1949, and her master's and doctoral degrees from Penn State in 1965 and 1971 respectively. She has published poems, biographical profiles, and essays in various journals. Most recently her academic focus is on the writings of older women and women's spirituality, interests she plans to pursue intensively upon retirement.

When not escaping to the Southwest, Dr. Searles and her husband, Jack, an emeritus professor in the College of Education, live in State College.



Jo C. Searles

## Employees end service

Harriet F. Bower, staff assistant VI in Undergraduate Education; from Aug. 2, 1976, to May 1.

Marion S. Deck, staff assistant IV at the Penn State Bookstore; from April 1, 1983, to June 1.

E. Jean Grimes, staff assistant V at Penn State Great Valley; from Sept. 2, 1980, to June 1.

Rita R. Hammond, admissions counselor II in Undergraduate Education; from Jan. 14, 1974, to May 1.

Herbert E. Johnson, residence hall preventive maintenance worker in Housing and Food Services; from Feb. 21, 1974, to May 5.

Harry M. Reitz, janitorial worker at Office of Physical Plant; from April 18, 1983, to May 1.

Robert J. Smith, bus driver at Penn State Erie, The Behrend College; from May 4, 1981 to June 1.

Rosalie A. Villanova, staff assistant VI at Penn State Great Valley; from Aug. 1, 1979, to May 15.

## Mont Alto teacher ends 29-year University career

Kenneth Swisher, associate professor of forestry at the Penn State Mont Alto Campus, has retired after 29 years service.

Professor Swisher joined the Mont Alto faculty on July 1, 1964, a year after the campus became a Commonwealth Campus. As an instructor, he was part of a three-member forestry department.

"I saw teaching as opportunity to make a change," he said. "When I started, I didn't think I would stay in one place or with one thing for so

long. . . (but) I liked the area and the teaching situation."

A native of Lebanon, Pa., Professor Swisher entered the Navy in 1951, just days after his high school graduation. Following his military service, he earned a master's degree from Duke University concurrently with a bachelor of science degree from Lebanon Valley College. He joined the campus faculty after working in the forest research department at WestVACO.

He and his wife, Carole, have two children: a daughter, Danelle Sheppard, and a son, David, a Penn State student who will attend the University Park Campus in the fall, and three grandchildren.



Kenneth Swisher

PROMOTIONS

Staff

Linda J. Beavers to administrative assistant I at Penn State Great Valley.

David L. Burns, manager, to Utility Operations, in Office of Physical Plant.

Marilyn E. Chase, to staff assistant VI at Penn State Erie, The Behrend College.

Marybeth Evancko, to senior technical specialist at Hershey Medical Center.

Janice M. Ferguson, to technical writer I in Research and Graduate School.

Zenda N. Fomicola, to staff assistant VIII in University Arts Services.

Marilyn Fronheiser, to technology education specialist in College of Engineering.

Chad P. Gaiser, to program manager in College of Engineering.

Tracie L. Gordnier, to applications programmer/analyst in Office of Physical Plant.

Carolyn L. Hampton, to staff assistant VI in Business Services.

Cathy J. Kowalske, to administrative assistant IV in College of Engineering.

Shira A. Manley, to manager, Hershey Medical Center Employment, at Hershey Medical Center.

Jane M. Mannon, to coordinator, Hershey Medical Center Employee Relations, at the Hershey Medical Center.

Patricia J. McFadden, to staff assistant VI at Penn State Great Valley.

Sandra L. Kimmel, to senior clerk, Telephone Operations, at Penn State Shenango Campus.

Samuel T. Miller, to assistant director, Judicial Affairs, in Student Affairs.

Susan E. Nollau, to manager for Business Services in Housing and Food Services.

Lynn M. Simpson, to staff assistant VI at Hershey Medical Center.

Sandra K. Stewart, to facility/planning coordinator in Applied Research Lab.

Tina M. Taylor, to director of administration II at Hershey Medical Center.

# Private giving to University hits record \$70.8 million, up 13 percent

Private gift support to Penn State has crossed the \$70 million threshold for the first time.

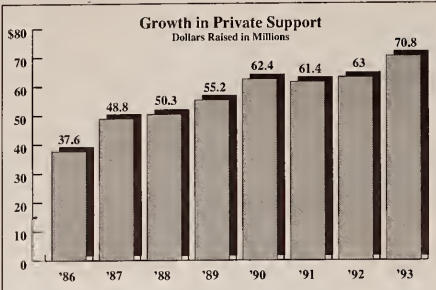
Gifts for the 1992-93 year, which ended June 30, totaled \$70.8 million, up 13 percent from last year's record-breaking mark of \$63 million.

"We are most grateful for this support from our alumni and friends, President Thomas said. "We appreciate this even more in difficult economic times.

"Most dollars contributed are earmarked for academic programs. These include scholarships and fellowships for our students, endowed positions, research and teaching assistance for our faculty, and support for numerous other programs that enhance the quality of Penn State. Such support is both a source of strength and inspiration for this University."

*Most dollars contributed are earmarked for academic programs — such as scholarships, fellowships, and research and teaching assistance.*

Senior Vice President for Development and University Relations G. David Gearhart said the totals reflect an increase in broad-based support for Penn State, especially at the "major gift" level of \$250,000 and above. "We had a 40



percent increase in the number of benefactors who made substantial gifts at this level and above, and that's encouraging," he said.

He added that the philanthropic commitment of alumni and friends is supplemented by a strong corps of volunteer fundraisers, spearheaded by the 50-member National Development Council, a supportive University administration, and a strong professional staff.

"Because of this wide-scale support and enthusiasm, Penn State's fund-raising programs have built a strong momentum," he added. "Consider that in 1987, we broke the \$40 million barrier. In 1988, we broke the \$50 million barrier and in 1990, we broke \$60 million. Now, this year, we have broken \$70 million."

Alumni giving in 1992-93 increased substantially, with 76,337 gifts totaling \$22.6 million, an increase of 31 percent in dollars given over last year.

"This year we successfully concluded two 'focus' campaigns—the \$10 million Campaign for Hershey and the \$20 million campaign for the Jordan Convocation Center—

and we launched a \$10 million Campaign for the Library," Dr. Gearhart said.

"In addition, this year's faculty-staff campaign raised more than \$2 million in gifts and pledges and triggered an additional \$1 million challenge gift from Board of Trustees Chairman William A. Schreyer and wife, Joan, to the Campaign for the Library."

Dr. Gearhart said that private gift support to Penn State is up generally, even in categories that were down slightly in the last two years due to the recession.

—Corporate giving was \$21.7 million for 1992-93, up 7 percent over last year.

—Foundation giving was \$8.8 million, up 36 percent from last year.

—Other organizations gave \$7.8 million, up 21 percent from last year.

—Individual giving, which includes both alumni and friends of the University, totaled \$32.5 million for 1992-93, up 9 percent from last year. Alumni gave \$22.6 million and friends gave \$9.8 million.

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PENNSTATE



INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

NONPROFIT ORG.  
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# INTERCOM

August 5, 1993

Volume 22, Number 37



Everything's coming up roses for Kathy Shumac, a research technologist working in the Trial Gardens at University Park. The gardens, off Park Avenue, are in full bloom and ready for visitors.

Photo: Greg Grelco

## Penn State to meet challenge of gender equity in sports

President Joab Thomas has forwarded the University's Gender Equity Action Policy to the Big Ten Athletic Conference in accordance with action taken by the Big Ten's Council of Presidents this spring.

The policy requires member institutions to attain a male/female participation level of 60 percent/40 percent respectively. This ratio must be achieved prior to the end of the five-year period ending June 30, 1997. In addition, each member institution is required, effective June 1994, to present to the Council of Presidents an annual report describing the actions taken to reach gender equity as well as the specific level of men's and women's student-athlete participation.

"Penn State comes to this challenge in a position of strength," Dr. Thomas said. "Because of our long-term commitment to women's athletics, our current male/female participation level is 66 percent/34 percent. More importantly, we offer intercollegiate athletic opportunities to nearly 300 female athletes and we are on a path to expand those opportunities. We have in place, for example, a plan to add women's soccer to our intercollegiate athletics program." (See story on Page 3).

In describing Penn State's Gender Equity Action Plan, Dr. Thomas said the plan calls for the following actions to be implemented:

- Effective with the 1993-94 academic year, grant-in-aid savings as a result of NCAA mandated reductions in men's sports will be reallocated to women's sports to encourage and support greater female participation opportunities.
- Effective by the 1994-95 academic year, women's soccer will be elevated from club level to an intercollegiate sport and will be supported with the same budgetary, opera-

tional and grant-in-aid limits as the men's soccer team.

- If NCAA legislation regarding participation caps for men's teams does not pass, then Penn State will consider implementing reasonable participation caps.

- Effective with the 1993-94 academic year, a female team physician will be hired to provide greater support to the Sports Medicine Clinic staff now composed of two physicians and one orthopedist.

- Effective with the 1993-94 academic year, non-sport specific endowed athletic scholarships will be awarded to women student-athletes to encourage female participation opportunities.

- Effective with the 1993-94 fiscal year, funding in the sports promotions and marketing area will be increased to promote the total intercollegiate program and participation opportunities.

- Effective with the 1993-94 academic year, all head coaches of women's teams will be encouraged to attract the maximum number of team members.

- Effective with the 1993-94 academic year, additional efforts will be made to enhance our endowed scholarship program for both men and women's teams. Increases in men's endowed funds that will relieve the scholarship fund will be reassigned to women sports to encourage greater female participation opportunities.

- Effective with the 1993-94 academic year, Intercollegiate Athletics will work closely with the Standing Committee on Athletics of the University Commission for Women to recommend additional appropriate enhancement opportunities to increase participation

See "Gender" on Page 3

## Athletic director to retire after 35 years of service

University Athletic Director Jim Tarman has announced that he will retire as soon as a successor can be appointed and in place, but no later than Dec. 31.

Mr. Tarman, who is 65, has been an integral part of the Nittany Lions' athletic staff for 35 years, the last 11 as Director of Athletics.

"Being a part of Penn State athletics has been stimulating, challenging and satisfying," he said. "I can't think of any other job that would have provided more rewards than serving Penn State as an administrator in this outstanding and prestigious intercollegiate

athletic program. I have many fine memories to take into my retirement years.

"The friendships I've formed during 35 years with Penn State athletes, dedicated coaches, administrators, alumni and fans with people involved in athletics throughout the country have been a source of great pleasure and inspiration. Penn State people are special and, in my experience, there is no more loyal or more compassionate constituency than those involved with this University and Penn State athletics, both inside and outside the program."

Mr. Tarman said he would be available to the University and his successor to assist in the transition process in whatever way he might be helpful.

"Jim Tarman's tenure as athletic director represents the finest there is in intercollegiate athletics," President Thomas said. "High academic standards and aspirations are at the core of his work. He is the kind of integrity model that mirrors the lofty image Penn State athletics has."

Dr. Thomas indicated that a national search will be initiated to identify Mr. Tarman's successor.

See "Tarman" on Page 3



Jim Tarman

D I V E R S I T Y

## Robeson Cultural Center plans commemorative trip to Washington, D.C.

The Paul Robeson Cultural Center has organized a bus trip to Washington, D.C. on Aug. 28 for ceremonies marking the 30th anniversary of the 1963 March on Washington, which featured the Rev. Dr. Martin Luther King Jr.

The original march, where Dr. King made his famous "I Have a Dream" speech, served a pivotal role in the civil rights movement of the 1960s.

Cultural Center officials say nearly a mil-

lion people are expected to participate in the ceremonies commemorating unity among African/Black Americans and other minorities for the cause of freedom and justice.

Buses will depart the Cultural Center at 6 a.m. and return about 10 p.m. For more information, contact the Cultural Center at 865-1779.



### A "prime" example

Penn State Harrisburg's informal linkages with Barbados Community College has made it possible for the campus to offer courses on diversity-related topics. In January, a study tour will include courses in health education, politics and environmental technology transfer in the Caribbean region. Prime Minister Erskine Sandiford voiced support for a close relationship between Barbados and Penn State Harrisburg in his spring commencement address at the campus.



### Display of culture

Robert Brown, a junior majoring in film, views one of a collection of acrylic paintings titled "Keepers of the Flame," on display through Aug. 13 in the Paul Robeson Cultural Center. The works were created by Penn State alumna Dori Grace Lemeh, School of Visual Arts undergraduate adviser/administrative aide. Ms. Lemeh has exhibited other works in Arkansas, California, Indiana, New York, Pennsylvania, Tennessee, Texas and Washington state.

Photo: Greg Grieco

## PROMOTIONS

### Staff

Rebecca S. Amspacher, to staff assistant V at Penn State Harrisburg.  
Joan I. Andrews, to administrative assistant IV in the College of Earth and Mineral Sciences.  
Melanie E. Barkley, to assistant extension agent in the College of Agricultural Sciences.  
Suzanne L. Barnhart, to supervisor, data entry verification at Hershey Medical Center.  
Carmen B. Borges, affirmative action specialist II in the Office of The President.  
Susan J. Croyle, administrative assistant III in the College of Engineering.  
Elizabeth Custer, to staff assistant VI at Hershey Medical Center.  
Karen L. Dorman, to staff assistant V in the Eberly College of Science.  
Patricia A. Frazier, to transplant coordinator at Hershey Medical Center.  
Lori L. Fyock, to production coordinator in Computer & Information Systems, Office of Administrative Systems.  
Michelle A. Garger, to staff assistant VI at Hershey Medical Center.  
Priscilla A. Garthwaite, to staff assistant V at Hershey Medical Center.  
Frank L. Giardina to director, Sports Marketing and Promotion, in

Intercollegiate Athletics.  
Kelli G. Gray, to technician-research at Hershey Medical Center.  
Jean E. Harris, to staff assistant V in Development and University Relations.  
Leslie M. Hutchins, to staff assistant VI in the School of Communications.  
Elizabeth K. Kantner, to technician-research at Hershey Medical Center.  
Tracey A. Knauss, to lead occupational therapist at Hershey Medical Center.  
Pamela K. Koonz, to lead occupational therapist at Hershey Medical Center.  
Kimberlee A. Krysiak, to staff assistant V at Penn State Erie, The Behrend College.  
Sue A. Lavan, to coordinator, Research and Administrative Services in the College of Earth and Mineral Sciences.  
Georgia C. Maguire, to staff assistant VI in the College of Engineering.  
Judith A. Markley, to staff assistant V in Research and Graduate School.  
Pam S. McCorkle, to administrative assistant II at Hershey Medical Center.  
Deborah M. Meder, to financial officer V in the Corporate Controller's Office.

Joseph H. Meier, to advanced project engineer at Hershey Medical Center.  
Connie R. Miller, to staff assistant VII in Computer and Information Systems-Telecommunications.  
Andrew E. Miller, to financial analyst at Hershey Medical Center.  
Kimberly C. Moore, to information systems assistant II in Computer and Information Systems-Telecommunications.  
Leila V. Moore, to director, Student Unions, in Student Affairs.  
Rhonda D. Perryman, to staff assistant III in Research and Graduate School.  
Meredith E. Tulli, to coordinator, Benefits Services, at Hershey Medical Center.  
Michael L. Vanatta, to advanced engineering aide in Applied Research Lab.  
Amy L. Wittman, to staff assistant V at Penn State Erie, The Behrend College.  
Pamela I. Young, to technician-research at Hershey Medical Center.

### Technical Service

Sally A. Bierly, to mailroom clerk in Business Services.  
Cathy M. Bordley, to utility worker at Hershey Medical Center.  
Ronald E. Foster, to maintenance

worker, utility, in Applied Research Lab.  
Mary Ann Guy to food service worker B, Housing and Food Services, at the Beaver Campus.  
Alan D. Haagen to boiler operator in the Office of Physical Plant.  
Patrick M. Harris, to mail clerk driver at Penn State Erie, The Behrend College.  
Lynn L. Hepler to life support unit driver at Hershey Medical Center.  
Michael D. Hoerner, to utility worker at Hershey Medical Center.  
Ricky T. Kasubick, to power plant worker in the Office of Physical Plant.  
Cecil R. Killinger to guard I in Applied Research Lab.  
Michael S. McClure to stockroom clerk C in College of Agricultural Sciences.  
Robert A. Rhoads to truck driver-janitorial in Office of Physical Plant.  
Donald C. Robertson, group leader, maintenance worker utility, at Penn State DuBois Campus.  
William W. Stoner, maintenance worker-recycling in Office of Physical Plant.  
Rosanna M. Zerphey, environmental health worker, group leader, at Hershey Medical Center.

## Highlights of new federal act Family and Medical Leave Act to go into effect today

The federal Family and Medical Leave Act of 1993 was signed into law by President Clinton on Feb. 5 and takes effect Aug. 5. This act requires employers to provide to eligible employees a total of up to 12 weeks of unpaid leave for the employee's own serious illness; the birth of a child; the placement of a child for adoption or foster care; or the care of a seriously ill child, spouse, or parent.

### Other highlights include:

- Eligible employees are those who have worked for the employer for at least one year for at least 1,250 hours within the 12-month period prior to the leave.

- Employees are entitled to take a total of up to 12 weeks of unpaid leave in any 12-month period—some provisions are included for this leave to be taken either intermittently or on a reduced leave schedule if medically necessary.

- Employers may require employees to take any paid sick leave or vacation as part of the 12-week leave.

- Employers are required to maintain healthcare coverages under the same terms and conditions as when the employee is actively employed.

- Employees are guaranteed the

right to return to their previous or an equivalent position without loss of any benefits.

- Employers may require that a request for a leave for a serious health condition be supported by certification from the healthcare provider.

The Office of Human Resources has reviewed applicable policies and incorporated any necessary changes. Since most of the University's current policies provide time off far in excess of that required by law, it was not necessary to revise those policies. A letter has been sent to all faculty and staff members outlining the highlights of the policy revisions.

## Gender

### Continued from Page 1

levels and visibility for women student-athletes.

- Immediately following future NCAA conventions, Intercollegiate Athletics will review all legislative actions regarding equity and will develop implementation plans to further enhance women's participation opportunities.

- Effective in the 1993-94 academic year, Intercollegiate Athletics will review Penn State intramural and club sport activities to ensure that the participating interests of women are being encouraged and met.

- During the 1993-94 academic year, Intercollegiate Athletics will conduct an internal Title IX review.

- Intercollegiate Athletics will submit to the University President, on an annual basis, an update of the department's strategic plan. The update will include a review of the broad based program and special attention to gender equity issues and an evaluation of the enhancement programs in place to increase female participation opportunities in the Intercollegiate Athletics program.

- Effective with the 1993-94 academic year, increase the

scholarship level to the full NCAA grant-in-aids limit for women's volleyball.

"I am very please with the leadership being shown here by faculty and staff in the Department of Intercollegiate Athletics," Dr. Thomas said. "These actions are appropriate and timely and consistent with this university's long-term commitment to a balanced and equitable intercollegiate athletics program."

Shirley Hendrick, assistant dean in The Smeal College of Business Administration, past-chair of the Commission for Women, and chair of the commission's Women's Athletics Committee, agreed.

"We have been working with the Department of Intercollegiate Athletics and the administration to move in these directions for the last several years," Dr. Hendrick said. "It is encouraging to see Penn State embrace the initiatives articulated by the Gender Equity Report to make a very good program even better."

Penn State's broad-based program for men and women athletes consists of 28 intercollegiate athletic sports, a program that is one of the largest in the country and the second largest in the Big Ten Conference. Fifteen men's sports and 13 women's sports are sponsored by the University. The program provides an average of 800 student participation opportunities each year.

## Women's soccer to be newest program

The University will add women's soccer to its intercollegiate athletic program, beginning with the 1994 fall season.

President Thomas announced the University's intention to add women's soccer while outlining particulars of the University's Gender Equity Action Policy submitted to the Big Ten Conference as requested by the conference's Council of Presidents.

Athletic Director Jim Tamman said that a combination of circumstances, "including the success of the program on a club level, the stimulus to increase participation opportunities for women student-athletes and the realization that women's soccer is one of the growth sports on the intercollegiate level," led to the decision.

The mandate of the Presidents to Big Ten institutions is to achieve a male/female participation level of 60 percent/40 percent respectively prior to June 30, 1997.

"Women's soccer is on the move," Ellen Perry, associate athletic director, said. "Penn state always has taken a

leadership position in the sponsorship and support of women's athletics and this decision underlines the University's commitment to that principle."

"This is a program with a rich history at the club level. We have considered women's soccer as an additional intercollegiate sport for a number of years and are delighted the circumstances finally are favorable to make this move. A solid foundation already is in place for a competitive program and we are confident Penn State can quickly become a significant player in the expanding world of women's soccer."

The 1994 start was selected to provide sufficient lead time to recruit a coaching staff, identify prospective student athletes, arrange for a schedule, take the organizational steps necessary to get a new program under way and study possible championship implications as other Big Ten institutions add the sport.

Women's soccer becomes Penn State's 29th intercollegiate sport and

increases to 14 the number of athletic teams representing the Lady Lions.

A number of Penn State female students organized the "International Soccer Club-Women's Division" in January 1977. The University formally recognized women's soccer as an independent club in 1979. Over the years, there has been frequent discussion about adding the program to Penn State's intercollegiate menu.

Mr. Tamman said addition of a 29th varsity sport would increase the Nittany Lions' operational and grant-in-aid budgets, but that funding for women's soccer already has been phased into future budgets. As is the case with all of the other sports in the Penn State program, second in size only to Ohio State in the Big Ten Conference, no University or state money will be used in the funding of the women's soccer operation.

Mr. Tamman said there are no plans at this time to make any other changes in the sports included among the Nittany Lions' intercollegiate offerings.

## Tarman

### Continued from Page 1

"Jim Tamman has been a friend of mine since the day he arrived on the Penn State campus," head football coach Joe Paterno said. "We have shared many memorable moments with he and Louise and their sons, Jim and Jeff. With the announcement of Jim's impending retirement as athletic director, Penn State is losing one of its most dedicated administrators and intercollegiate athletics will be deprived of one of its most creative."

Mr. Tamman joined the Penn State staff in 1958 as sports information director, serving in that capacity for 12 years. He was appointed assistant athletic director in 1970 and in 1973 was named associate athletic director with primary responsibilities in public affairs, development, fund raising and alumni and public relations.

When Joe Paterno became athletic director in 1980, Mr. Tamman's responsibilities were expanded to cover the entire administrative scope of Penn State's athletic program, and on March 1, 1982, he was appointed athletic director.

During his tenure, the stature and scope of the Nittany Lions' athletic program has increased significantly, physical facilities have greatly expanded and Penn State has been accepted for membership in the nation's most prestigious conference—the Big Ten.

Perhaps no single development in Penn State athletic history has been more dramatic, meaningful and historical on the national level than the move to Big Ten Conference membership—a development in which Mr. Tamman played a major role both in the initial concept and subsequently in the governance and competitive integration process.

Before coming to Penn State in 1958, Mr. Tamman was assistant public information director and sports information director at Princeton University. Prior to that he was public relations director at Gettysburg College for four years. He was on the staff of the Harrisburg Patriot News from June 1952, until he joined the Gettysburg staff a year later.

### CARPOOLERS

Rider wanted to share driving from McAlley's Fort to University Park. Work hours (flexible) 7:30 a.m. to 4:30 p.m. or 8 a.m. to 5 p.m. Call Betty, 863-1764.

Ride needed from University Park to Pine Grove Mills around 3 p.m. Monday through Thursday. Call Colleen, 863-8017.

Ride needed from Fairbrook area to University Park. Work hours are Monday through Friday, 8 a.m. to 5 p.m. Call Terry after 5 p.m. at 692-7522.

**FACULTY / STAFF ALERTS**

**Office move**

The Office of Undergraduate Education has moved to 417 Old Main at University Park. The telephone number for the office, 863-1864, remains the same.

**Non-hour courses**

The Human Resource Development Center and Continuing Education are offering the following 3-credit courses for University employees during Fall Semester 1993:

Business Law 243 and Management 100 meet Mondays and Wednesdays. Accounting 200 and Economics 004 meet Tuesdays and Thursdays. All classes meet from 11:30 a.m. to 12:45 p.m.

The courses are part of the Business Management and Business Administration Certificate Programs offered through Continuing Education. An academic counselor is available to help with course selection.

For information, contact the Human Resource Development Center at (814) 865-3410 or the Continuing Education Office at (814) 865-3443.

**Mont Alto changes**

A project upgrading the telecommunications equipment at the Penn State Mont Alto Campus prompted changes in all campus telephone numbers, with the exception of the toll-free Admissions number, 1-800-392-6173.

**NEW NUMBERS ARE:**

- Main Switchboard, 717-749-6000;
- Fax Machine, 717-749-6069;
- Academic Affairs, 717-749-6051;
- Academic Resource Center, 717-749-6046;
- Admissions, 717-749-6130;
- Athletic Director, 717-749-6170;
- Bookstore, 717-749-6195;
- Business Services, 717-749-6031;
- Campus Executive Officer, 717-749-6061;
- Continuing Education, 717-749-6100;
- Faculty Secretary, 717-749-6065;
- Finance Office, 717-749-6065;
- Housing and Food Service, 717-749-6080;
- Library, 717-749-6040;
- Maintenance, 717-749-6035;
- Police Services, 717-749-6070;
- Registrar, 717-749-6067;
- Student Affairs, 717-749-6130;
- Student Financial Aid, 717-749-6133;
- Student Life, 717-749-6156;
- University Relations, 717-749-6110.

# New center to address issues related to growing field of information technologies

A new Catalyst Center for Information Technologies has been established in the School of Communications.

"Penn State welcomes and supports the creation of this center, and expects it to make an important contribution to establishing the University's role as a national leader in this area," President Thomas said.

"This new center will help define a leadership role for the School in a rapidly evolving field," Terri Brooks, dean of the School, said. "The cable and broadcast television, telephone and computer industries are on a collision course, and this requires rethinking all of our old assumptions about media."

The Catalyst Center will emphasize the interindustry, interdisciplinary

and international aspects of these developments. It will focus on building bridges between the affected industries, and between those industries and academia."

The center's director will be Richard D. Faylor, Palmer Professor of telecommunications studies. "The center will draw on resources from across the University," he said, "and it will work closely with industry as an honest broker to act as a catalyst for integration. We plan to do this through a wide range of interdisciplinary research, informational and educational activities.

"Our extensive library and research resources, our close ties with industry groups and professionals, and the expertise our faculty give us a solid base from which to address

issues of information technology from many different aspects, which is

***The center will focus on building bridges among the cable and broadcast television, telephone and computer industries — which are believed to be on a collision course.***

badly needed right now. We look forward to making a significant contribution in this area."

**OBITUARIES**

Joseph F. Bradley, professor emeritus of finance, died May 10 at the age of 75. A graduate of Penn State with bachelor's and master's degrees, he received his doctorate in finance and economics from the University of Pittsburgh.

Dr. Bradley joined the Penn State staff during World War II. He served 44 years as an assistant professor, an associate professor and a professor of finance, retiring in 1987.

He taught at both the graduate and undergraduate levels. For many years, he led large sections of corporation finance and had more than 15,000 students in those classes. His writing and research as well as his teaching, centered on the fields of corporation and personal finance.

He received several teaching honors including the Fred Brand Jr. Award for excellence in teaching.

Dr. Bradley was a member of the University Senate for more than 15 years and served as chairman of the Senate Committee on Scholarships and Awards for many years. He also was a member of numerous committees in the College of Business Administration and the finance department.

He founded the Credit Union Institute, an annual program conducted at the University Park Campus for credit union officials, and served as academic chairman of the institute for 33 years. He also helped found the Eastern Finance Association, was at one time its president and was a member of its board of trustees.

Memorial contributions may be made to Joseph F. Bradley Fellowship in Finance, College of Business Administration, University Park, Pa. 16802.

Walter W. Karakawa, associate professor of microbiology in the Eberly College of Science, died May 18. He was 61.

A graduate of the University of Dubuque in Iowa, he earned a master of science degree in 1957 and his doctorate in 1960, both in microbiology,

from the University of Iowa. He did postdoctoral studies at Washington University, St. Louis, from 1964 to 1966.

Dr. Karakawa was a research microbiologist at the Connecticut State Health Department in Hartford, Conn., from 1960 to 1964. He was an assistant professor at Penn State in the Microbiology Department from 1966 to 1970. From 1970 to 1973, he was an assistant professor of research medicine at the University of Pennsylvania in Philadelphia. From 1973 until his death, he was an associate professor of microbiology in the Department of Molecular and Cell Biology.

His initial research was on streptococci, bacteria that cause strep throat and rheumatic fever, and he worked for many years on the mechanism of immunity to these infections. At the time of his death, he was doing developmental research on the staphylococcal vaccine with the drug firm Univax Biologics.

He was the author of numerous articles which were published in various journals.

Dr. Karakawa was a member of the American Society for Microbiology and the New York Academy of Science. He was an elected member of the American Association of Immunologists.

Harry L. Hamilton, laboratory animal caretaker, College of Agricultural Sciences, from Oct. 1, 1949, until his retirement Jan. 18, 1983; died May 27 at the age of 69.

Will E. Mason, professor emeritus of economics, died June 18. He was 81.

A graduate of Pacific University, he received a master's degree in economics from the University of Washington and a Ph.D., also in economics, from Princeton University.

He joined the University faculty in 1956 as associate professor of economics and retired July 1, 1977. He previously taught at Washington and Jefferson College, the University of Buffalo, Princeton, the University of

Washington, and Multnomah College in Portland, OR. A specialist in international finance and monetary theory, he was the author of numerous articles in professional journals and a book, *Clarification of the Monetary Standard*.

James W. Moore, retired assistant professor of general engineering at the Penn State McKeesport Campus, died June 8. He was 68.

He was a graduate of the University of Kentucky with a bachelor of science degree in civil engineering and a master's degree in structural engineering.

He joined the McKeesport Campus faculty in 1964 and served as head of the engineering department. He retired Jan. 1, 1986.

Elizabeth R. Richenderfer, head, telephone operator, Office of Business Services; from Jan. 1, 1969, until her retirement Jan. 1, 1985; died May 29. She was 68.

Shirley A. Snyder, senior assistant librarian at the Penn State Shenango Campus since Nov. 15, 1966, died March 19. She was 60.

Ronald A. Struble, correspondence course specialist, College of Agricultural Sciences; from May 1, 1956, until his retirement May 1, 1975; died May 3 at the age of 82.

Jeannette B. Walther, staff assistant VII, Research and Graduate School; from Sept. 16, 1974, until her death May 19. She was 59.

Kathryn Way, housekeeping supervisor, Housing and Food Services; from Jan. 1, 1950, until her retirement Nov. 1, 1974; died June 22 at the age of 78.

Geraldine L. Young, offset duplicator operator, College of Agricultural Sciences; from Dec. 13, 1963, until her retirement May 1, 1975; died May 10 at the age of 79.

## APPOINTMENTS

Leslie Ellen Brown, director of academic affairs at the Penn State Beaver Campus, has been named associate dean for academic services in the College of Arts and Architecture. She also has been promoted to professor of musicology.

Dr. Brown has been a Penn State staff member since 1989. During the 1992-1993 academic year she served as an administrative fellow in the Office of the Executive Vice President and Provost.

J. Paul McRoberts, associate professor of English, has been serving as acting director of academic affairs during Dr. Brown's leave and will continue in that position.

Dr. Brown was the first Beaver Campus faculty member chosen to be a recipient of a Faculty Research Fellowship from the Institute for the Arts and Humanistic Studies. Her fellowship provided support for scholarly research conducted in Scotland, Great Britain, and the United States on her project titled "Music Theory and Aesthetics of the Scottish Enlightenment."

Dr. Brown has served as the editor of the journal *Studies in Eighteenth-Century Culture*, Volume 19, and as vice president of the Eighteenth-Century Scottish Studies Society.

She holds a Ph.D. in musicology from the University of North Carolina at Chapel Hill. Prior to coming to Penn State, she served as assistant dean of graduate studies at West Chester University. She also has been a member of the faculty at Louisiana State University.

Elizabeth M. Hawthorne has been named director of academic affairs at the Penn State Berks Campus.

From 1986-93, Dr. Hawthorne served as a professor of higher education at the University of Toledo, Ohio. She began at Toledo as an assistant professor and became associate professor and program coordinator for the Program in Higher Education.

A 1965 graduate of Tufts University, Dr. Hawthorne holds a master's degree in educational psychology from Temple University. She earned her A.M. in political science in 1982 and her Ph.D. in higher education in 1985, both from the University of Michigan.

In addition to serving as program coordinator for the Program in Higher Education at the

University of Toledo, Dr. Hawthorne has served as the director of the John H. Russel Center for Educational Leadership since 1987. The center sponsors seminars, workshops, research and houses a large collection of postsecondary education materials.

Prior to her work at the University of Toledo, Dr. Hawthorne was director of research for the Carroll Group, Inc., in Ann Arbor, Mich. She also has held a number of positions at the University of Michigan, Washtenaw Community College, Eastern Michigan University, and Macomb Community College in Warren, Michigan.

Margaret Lyday, associate professor of English and former associate dean for the Commonwealth Educational System and Continuing Education in the College of the Liberal Arts, has been appointed associate dean for undergraduate studies.

In this position, she will be responsible for all aspects of Liberal Arts undergraduate recruitment, instruction, curriculum, and advising at University Park and the Commonwealth Campuses. Jeannette Bragger, the former dean for undergraduate studies, resigned to accept appointment as head of the Department of French.

The appointment is part of a restructuring of responsibilities in the college administration, according to Dean Susan Welch. "We are streamlining the administrative structure in Liberal Arts to operate more systematically and efficiently," she said. "It is wonderful that we have a person of Dr. Lyday's wide experience as a teacher and administrator, both in the CES system and at University Park, to assume the broad responsibilities of the newly refigured office she now heads."

A faculty member since 1978, Dr. Lyday has taught at the Penn State Hazleton and Allentown Campuses. She has published widely in journals such as *English Record*, *Teaching English in the Two-Year College*, and *College English*. She has directed programs to help elementary and high school teachers in writing and rhetoric instruction, including the Penn State Rhetoric Project funded by the National Endowment for the Humanities. She directs the Lehigh Valley Writing Project, a site of the National Writing Project.

Dr. Lyday held an administrative internship in the Liberal Arts Commonwealth Educational System office in 1987, and served as interim associate dean for CES and Continuing Education from 1990 to 1992.

As a member of the University Faculty Senate, she has served on the Curricular Affairs Committee, the Writing Subcommittee, and the Faculty Advisory Committee to the President and Provost.

She was president of the Pennsylvania Association of Two-Year Colleges in 1984-85 and was named Lehigh Valley Outstanding Academic Woman of the Year in 1989.

Dr. Lyday received her bachelor's degree from Carlow College in Pittsburgh, and a doctorate from Catholic University of America, Washington, DC.

Albert N. Skomra has been appointed acting campus executive officer of the Penn State Beaver Campus by Robert E. Dunham, senior vice president and dean of the Commonwealth Educational System.

Dr. Skomra, who will continue to serve as campus executive officer of the Penn State Shenango Campus, replaces David B. Otto, who retired June 30. His appointment is effective immediately.

Dr. Skomra, who joined the University faculty in 1966, has been campus executive officer at Penn State Shenango since 1991. From 1984 to 1985, he served as acting campus executive officer at the Penn State Fayette Campus.

As associate head of the University's Department of English for the Commonwealth Educational System from 1985 to 1987, Dr. Skomra was responsible for the teaching assignments and personnel matters for English Department faculty at all Commonwealth Campuses.

Prior to joining the University faculty, he taught high school and served as the executive administrator for the Uniontown Nursing and Convalescent Center.

A graduate of St. Vincent College, Dr. Skomra received a master's degree in education administration and English, and a doctorate in English, education and psychology, both from West Virginia University. He also has done graduate work in marketing and personnel management.



Leslie Ellen Brown



Margaret Lyday



Albert N. Skomra

## NEWS IN BRIEF

## Enhancement program

The Individual and Family Consultation Center will offer a couples enhancement program Aug. 7-8 at University Park. The program, "Relationship Enhancement," is designed to help couples build a more supportive and satisfying relationship by helping them learn to deal with issues that arise from differences in values, needs, and opinion.

Anyone who is involved in a committed relationship is welcome, and couples are encouraged to attend together. The cost for the weekend is \$25 for an individual and \$200 for a couple. For further information or to enroll, call the Individual and Family Consultation Center at (614) 865-1751.

The program, which will be offered again Sept. 18-19 and Oct. 23-24, is a part of the Department of Human

Development and Family Studies in the College of Health and Human Development.

## Heat transfer lecture

Robert J. Simoneau, chief of the Heat Transfer Branch of NASA Lewis Research Center, will give a survey lecture on "Progress in Turbine Heat Transfer Research" at 10:30 a.m. Friday, Aug. 20, in Room 232 Hammond Building at University Park. It is open to the public.

The lecture is hosted by the departments of Aerospace Engineering and Mechanical Engineering and the Computational Fluid Dynamics Studies Program. For more information, contact organizer George Dulikravich, associate professor of aerospace engineering, at 863-0134.

## McNair Scholars to hold research conference Aug. 6-8 at University Park

Penn State's McNair Scholars Program will hold its first research conference Aug. 6-8 in the Keller Conference Center on the University Park Campus.

The conference will provide an opportunity for undergraduate McNair scholars to present their summer research findings to a national audience and network with students and staff from other McNair programs across the country.

The McNair Scholars Program was founded in 1986 in memory of Ronald E. McNair, the physicist/astrophysicist, who died aboard the Challenger. It is a nationwide initiative to prepare low-income, first-generation college students, and students from other groups underrepresented in graduate education for doctoral study.

Penn State's Ronald McNair Post-Baccalaureate Achievement Program, one of more than 70 such programs in the country, encourages students to pursue graduate study by providing opportunities to define goals, engage in research, and develop skills and relationships critical to success at the doctoral level.

For more information on the McNair Research Conference, contact Mike Radis, Academic Assistance Program, at 863-4289.



# Complying with regulations Working hard to ensure accessibility for everyone

**Since 1987,  
108 projects  
to enhance  
accessibility  
to facilities  
at all  
University  
locations  
have been  
completed.  
Today,  
Penn State  
continues in  
its mission to  
enhance  
accessibility.**

Through recent press accounts you may have heard of a lawsuit which alleges that Penn State has done little to support the needs of people who are handicapped or who have disabilities.

That allegation is not true.

In truth, we have invested carefully in such projects in the past and we are committed to doing more in the future. We intend to comply fully with laws such as the Americans with Disabilities Act. But we also have made changes because it is important to make a Penn State education available to all who seek to study here, despite the personal challenges they face.

Penn State is not an institution that simply accepts people who have disabilities as students. We actively seek them as an important part of our community. For example, there are seven scholarship funds specifically designed for people with disabilities. During the past school year 73 students benefited from those scholarships.

Barriers do remain here just as they do at businesses, corporations, in city streets, government buildings, and at other schools around the country. We are now in the midst of identifying and removing more of those barriers. If you look at the newly re-designed Pollock Road along Willard Building and Old Main, you will notice numerous, broad curb cuts. In fact, in one section of the road we took the curb out altogether by raising the roadway to the level of the sidewalk. Walk by the major expansion just being finished at the Palmer Museum of Art and you will notice more new curb cuts and a rampway that has been included in the design of the new building entrance. The design for the new Jordan Center includes 150 locations for handicapped seating.

No matter how many improvements have taken place, it is still difficult for people with some disabilities to gain access to every part of campus. We do not want to imply that more does not need to be done. It does and we are moving forward on improved accessibility for people with disabilities in many areas. We will

address the claims made in the lawsuit in good faith as a part of our continuous efforts to improve.

Many Penn State employees have worked hard to ensure that each of our campuses provides an accommodating environment for individuals with disabilities. As a public institution and recipient of federal funds, we have been covered by the Rehabilitation Act of 1973 and have worked to meet those requirements which are similar to ADA.

We think you should know the substantial progress Penn State has made to respond to the needs of faculty, staff and students with disabilities. Penn State has taken these actions not only to achieve compliance with the mandates of ADA and earlier laws, but because of its commitment to be a diverse institution, accessible to all.

Let us share with you some of the actions we have taken and the services and programs now in place, to ensure that persons with disabilities may share in the life of the University.

Since 1987, 108 projects to enhance accessibility to facilities at all University locations have been completed, including ramps, electric door openers, restroom modifications, elevator modifications and curb cuts.

All new buildings and major renovations since ADA became effective have been designed to conform with applicable accessibility standards. Before ADA, all buildings were designed in accordance with the accessibility standards then in effect.

A compliance survey of entrances, elevators, restrooms, classrooms and common areas in 37 buildings and facilities at the University Park Campus was recently completed. We are now compiling and examining the data from this survey so that necessary modifications can be identified, the design process initiated, and implementation of required modifications undertaken. Obviously, all necessary modifications cannot be undertaken at once, so priorities will be established based upon programming and funding requirements.

A comprehensive self-evaluation of programs and facilities by each academic and administrative unit also



**Designated space** — Dale Eckley (left) and Tom Shutt, from the Office of Physical Plant, stencil a handicap symbol in a parking space, designating just one of the 107 spots on the University Park Campus that is available for motorists with disabilities. In the near future, 84 more spaces will be created and marked.

Photo: Greg Grieco

is under way. Faculty coordinators in each academic/administrative unit are heading a working group of representatives from major program areas, which is conducting a thorough review of all programs and facilities. Each working group is provided with a comprehensive training session and specific guidelines for completing the evaluation. To date, more than 360 employees have attended these training sessions. Data and information concerning employment practices, program accessibility and facilities will be gathered and evaluated.

The University's ADA task force, comprised of representatives from the Office of Physical Plant, Human Resources, the Affirmative Action Office, the Office for Disability Services, the Office of Telecommunications and the Office of University Safety, is responsible for coordination and review of this evaluation, and making recommendations for corrective action.

To enhance our existing program of providing individualized handicap parking on request, we are designing handicap parking spaces, installing signs and meters and widening parking spaces. In the next month, the number of designated handicap parking spaces will reach 107 spaces — two times the number that were available at the end of the spring semester.

Text telephones, to assist those with hearing impairments, have been installed by the Office of Telecommunications at public telephones in high use areas such as the Keller Conference Center, Beaver Stadium and the Recreation Building. Installation is also scheduled for Eisenhower Auditorium and Kern Graduate Center. Amplified telephone receivers are available in selected areas and furnished where requested in residence halls or employee offices. All University telephones are hearing-aid compatible.

Proctors, readers and other forms of testing accommodations are routinely provided for students with disabilities. Special testing accommodation was provided for 461 examinations during the Spring semester of 1993.

In-class assistance is routinely provided for students with special needs, such as readers, sign language interpreters, laboratory assistants, and textbook taping.

Optical enlargers, closed-circuit television equipment and a Kurzweil reading machine are available for use at Pattee Library. Personal library assistance is available upon request through the staff at Pattee. An audio version of LLAS, the computerized reference system for University libraries, also is available.

Individualized programs of physical and recreational activity are available for academic credit or personal development. Adaptive swimming instruction is offered at the Natatorium, and adaptive physical education equipment is maintained for use at Recreation Building.

One-to-one assistance for development of study skills and individual learning strategies is furnished for students with learning disabilities.

Students with disabilities can be provided priority registration — as early as 10 days in advance of the opening of general registration — so that they may select the classes and locations most convenient for their purposes. In the event a class is scheduled at a location which is not accessible, the class is moved to an accessible location or, if specific facilities are required, necessary modifications are made to provide for accessibility.

Students with disabilities have priority in assignment of accessible residence hall rooms. Accessible rooms are held exclusively for use by students who need those facilities, and a student need only identify any special needs in order to have priority for such rooms.

A van equipped with a wheelchair lift is available for use by students, faculty, staff and visitors who are unable to use the campus loop buses. The van may be scheduled for fixed times according to class schedule or as requested by telephone call. The van travels door-to-door, and the days of operation, hours and fare are the same as the campus loop buses.

Job descriptions are being revised to define positions by their essential functions, in order to comply with ADA employment requirements. More than 500 Penn State supervisory employees have attended training sessions focusing on the employment provision of the ADA.

Visual alarms may be requested for residence hall rooms, employee offices and the Nittany Lion Inn, which flash in response to the fire alarm.

This is a long list, but we are not satisfied. Under the capable leadership of key University staff, Penn State's commitment to serve the needs of employees and students with disabilities will be a continuing process.

Despite funding limitations and the difficulties in applying the provisions of the ADA to an institution as large and complex as Penn State, we intend to enhance accessibility to all of our programs and activities in the years to come.

Several years ago we developed a map of major campus buildings and facilities with varying levels of accessibility outlined, and visitors who have disabilities can contact the University in advance of traveling here. Special arrangements can be made for parking and other needs.

For several years the University has sought substantial funds in our annual Capital Budget Request to the Commonwealth for projects that will make facilities at Penn State more accessible to people who have disabilities. This year's request will again have a number of key projects on the list involving proposed work at virtually every Penn State campus in the state. The total request to the state for funding of these projects will likely exceed \$40 million.

This is a brief overview of a well-developed, well thought out, and comprehen-



**Cordelia Swinton**, acting chief of Access Services in Pattee Library, demonstrates one of the optical enlargers available to help those with visual impairments read text more easily.



**Measuring for wheelchair accessibility** is Yancy Unger, an architectural engineering major who is part of the University's self-evaluation team.



**Text telephones**, like this one found in Keller Conference Center, remain unobtrusive until activated by code. Once active, the silver box below the phone opens up to reveal a screen that allows hearing impaired individuals to see their conversations.

Photos: Greg Grieco

five long-range plan.

In addition, there are a number of statements made in news accounts that need to be clarified.

Reports that there is no handicapped parking at Beaver Stadium is incorrect.

Reports that the lawsuit does not seek compensation from Penn State are incorrect.

Reports that the University does not seek the input of people who are handicapped or disabled on issues that have an impact on them are incorrect.

Reports that handicapped parking does not exist on campus are incorrect.

Penn State has staff assigned full time to work on issues that have an impact on people with disabilities — some of those employees have disabilities. Many other employees address these issues as part of their routine duties.

Penn State will continue its good faith effort.

*Norman Bedell*  
Norman Bedell, assistant vice president of the Office of Physical Plant

*Bonnie P. Ortiz*  
Bonnie P. Ortiz, director of Affirmative Action

*Brenda S. Hamister*  
Brenda S. Hamister  
Office for Disability Services

*Dave Stormer*  
Dave Stormer, assistant vice president for Safety and Environmental Health

*James M. Wagner*  
James Wagner, vice president for Business and Operations

## Faculty members honored for teaching and advising skills

### DuBois names "Educator of the Year"

Charles P. Schaadt, assistant professor of wildlife technology at the Penn State DuBois Campus, has been named "Educator of the Year" for 1992-93 by the DuBois Educational Foundation. The DEF is the campus' advisory board.

Dr. Schaadt joined the Penn State DuBois faculty in 1990, coming from McGill University in Montreal. He holds a Ph.D. in evolutionary ecology, an M.S. in biology with emphasis in terrestrial and aquatic ecosystems, ornithology, mammalogy, entomology and education and a B.A. in biology.

His primary research interests focus on consulting neotropical migrant songbirds and birds of prey, primarily the osprey, or fish eagle. He has traveled extensively in Canada, and Mexico studying growth rates among ospreys and in Alaska and Montana studying ospreys and bald eagles. His work supports efforts to reintroduce ospreys into their natural habitats in hopes of ensuring their survival in today's rapidly changing, highly urbanized society.

At the campus, Dr. Schaadt teaches courses in wildlife management, outdoor recreation, and animal handling and care, advises the Outing Club, and serves as the program leader for the two-year Wildlife Technology Program.

He is a member of the campus' Strategic Planning Committee and the Retention Committee and also helped organize Earth Day activities. Additional pursuits include memberships in the Audubon Society, Pennsylvania Wildlife Habitat Unlimited, Rails to Trails, and other local nature-centered groups.

### Awards bestowed on two at Mont Alto

Two Penn State Mont Alto Campus faculty members have been honored for teaching and advising.

James Hamilton, assistant professor of speech communications, has received the Martha A. Fisher Excellence in Teaching Award, and Robin Yaure, instructor in psychology, is the recipient of the first Student Government Advising Award.

A committee of students chose the recipient of the Fisher Award, established four years ago to stress the campus' commitment to excellence in teaching, based on the instructor's knowledge of the subject; preparation for class; ability to clarify difficult concepts; respect for students as individuals; skill in encouraging students to participate in discussions, and other

strengths that set the instructor apart from other faculty members.

The advising award, in its first year, was sponsored by the Student Government Association which surveyed students to determine whom they believe to be the most effective adviser.

### Ogontz recognizes "Outstanding Teacher"

John Ashley, assistant professor of biology at the Penn State Ogontz Campus, has been named the campus' Outstanding Teacher for 1993.

Vitality in the classroom, and genuine concern for students were cited in honoring Dr. Ashley with the annual award. His creativity in instruction technique has included using a trashcan full of household items to represent various cell parts and taking entire classes to an athletic field to perform "the dance of the chromosomes"—activities designed to foster a hands-on learning experience. Students praise him for his availability, and for providing a "total learning environment."

Dr. Ashley joined the Ogontz faculty in 1989 after receiving his Ph.D. in botany from Washington State University. He earned bachelor's and master's degrees from Brigham Young University.

Other faculty awards at Ogontz include Outstanding Advisor, presented to Tramble T. Turner, assistant professor of English and Dean's Representative for the College of the Liberal Arts; the Distinguished Service Award to James F. Smith, professor of English, and the Special Recognition Award for a non-standing faculty member to Robert Walker, instructor in chemistry.

### Teaching Excellence Award given at Allentown

Robert Bartkowiak, professor of engineering at the Penn State Allentown Campus, is the 1993 recipient of the Teaching Excellence Award.

Professor Bartkowiak is the author of numerous textbooks and articles. Several of his textbooks have been translated into Chinese and Portuguese. His research interests are in the area of microprocessors.

He joined the Allentown Campus faculty in 1964. He is a Penn State graduate and holds a master's degree from Drexel University. He is a Registered Professional Engineer in Pennsylvania.

## Assistant professor's work with molecule leads to funding

Shaun Sommerer, assistant professor of chemistry at Penn State Erie, The Behrend College, has received a \$17,652 Cottrell College Science Award from the Tucson, Ariz.-based Research Corporation to fund his ongoing work with di-2-pyridyl ketone, a molecule useful in the study of electron transfer and photocatalysis, or light-induced chemical reactions. Data gathered this summer will be used to

help develop technologies to upgrade low-value raw petroleum to products of greater value, such as alternative liquid fuels.

Cottrell Awards are offered annually to researchers in astronomy, chemistry, and physics who involve undergraduates in meaningful research roles. Dr. Sommerer will be assisted by two Penn State-Behrend undergraduate chemistry students.

Research Corporation, a foundation for the advancement of science, was established in 1912 by philanthropist Frederick Gardner Cottrell, a professor of physical chemistry at the University of California, Berkeley, and inventor of the electrostatic precipitator used to control air pollution.

## Associate professor to hold Numata Chair in Buddhist Studies

Charles B. Prebish, associate professor of religious studies, has been awarded a Distinguished Visiting Professorship at the University of Calgary.

During Fall Semester 1993, he will hold the Numata Chair in Buddhist Studies. The chair is funded by the Numata Foundation in Japan, which funds three other such chairs—at Oxford, Harvard, and Hawaii.

Dr. Prebish will teach a graduate seminar on "The Development of American Buddhism" and will offer the Numata Yehan Lecture in Buddhism, a public lecture sponsored by the foundation. He also will work with the International Centre at the University of Calgary in developing and implementing their Asian programs.

## Staff assistant cited for excellent service to OAS

Deb Brooks, staff assistant in Office of Administrative Systems (OAS), is the second recipient of the Thomas R. Caldwell Service Award for Excellence.

The award honors Tom Caldwell, a senior systems analyst for 15 years in Management Services, now OAS, who was killed in a house fire April 10, 1991.

All OAS employees are eligible for the award. Nominees are judged on dedication to their job, interpersonal relations, and outstanding job knowledge. Tom Runkle was the first recipient of the award.

"I'm extremely pleased with Deb's selection as the 1993 winner of the Thomas R. Caldwell Service Award for Excellence," Ken Blythe, OAS director said. "Deb is friendly; active within our organization beyond the normal range of duties; adds greatly to the working atmosphere, and makes every effort to assist with problems or concerns."

Ms. Brooks, a University employee for more than 16 years, received a certificate and a wall plaque. A permanent plaque is on display in the lobby of 31 Shields Building on the University Park Campus.

## Assistant director receives Student Appreciation Award

Priscilla Johnson, assistant director of the academic support center at the Penn State Allentown Campus, is the 1993 recipient of the Campus Student Appreciation and Recognition Award (SARA).

The annual award is presented by the student body to the faculty or staff member who has devoted extra time and energy to the benefit of student endeavors. Recipients are honored for providing inspiration and enriching student life at Allentown.

Ms. Johnson is responsible for assisting with the administration of programs and services offered by the academic support center. She also provides tutoring and supplemental instructional support in the area of basic skills.

She earned her graduate and undergraduate degrees in English at Kutztown University.



# University Park Calendar

## August 5 - 22

### SPECIAL EVENTS

**Sunday, August 8**  
Shaver's Creek, 2 p.m. Wild  
Mushroom Walk.  
**Tuesday, August 10**  
Shaver's Creek Summer Camps:  
Discovery Day Camp, ages 6-11;  
Adventure Camp, ages 12-13;  
Discovery Leaders in Training,  
ages 14-17; Ecoventure, ages  
14-17, through Aug. 14.  
**Wednesday, August 11**  
Shaver's Creek, 11 p.m. Meteor  
Shower Open House.  
**Saturday, August 14**  
Summer Session Commencement  
Shaver's Creek, 10 a.m. Native  
American Series: Children's  
Games.  
Shaver's Creek, contemporary folk  
music by Beth Williams.  
Children's show, 4 p.m.; Evening  
show, 6 p.m.  
**Sunday, August 15**  
Shaver's Creek, 1 p.m. Colored  
Pencil Workshop  
**Wednesday, August 18**  
Ag Progress Days, through Aug. 20.

### PUBLIC RADIO

**WPSU-FM 91.1**  
"Odyssey Through Literature,"  
12:30 p.m. Wednesday, with  
S. Leonard Rubenstein.  
"Perspectives," 6:30 p.m.  
Wednesdays. Scopes:  
Women and Minorities in the  
Sciences at Penn State." 12:30  
p.m. Thursdays.

### CONFERENCES

**Thursday, August 5**  
Mens Soccer Camp II, 175 atten-  
dees, Residence Halls. J.  
Sinclair, coordinator.  
Park Operations School, 90 atten-  
dees, Residence Halls. W.  
Stemer, coordinator.  
2nd Mile Summer Challenge Camp-  
Boys Only, 65 attendees,  
Residence Halls, through Aug. 6.  
J. Milson-Heater, coordinator.  
Credit Union Management Institute,  
120 attendees, Residence Halls,

through Aug. 6. B. Impellitteri,  
coordinator.  
Ice Hockey Camp IV, 100 attendees,  
Residence Halls, through Aug. 6.  
J. Milson-Heater, coordinator.  
Cross Country Camp, 80 attendees,  
Residence Halls, through Aug. 6.  
C. Andersen, coordinator.  
Boys Basketball Camp, 190 atten-  
dees, Residence Halls, through  
Aug. 6. J. Sinclair, coordinator.  
Counseling Workshop, 25 attendees,  
Residence Halls, through Aug. 6.  
B. Impellitteri, coordinator.  
Boiler/IVAC Water Treatment, 35  
attendees, Residence Halls,  
through Aug. 6. D. Noyes, coor-  
dinator.  
WPCAP Operators Short Course, 50  
attendees, Hampton Inn, through  
Aug. 6. D. Noyes, coordinator.  
Society for the Study of Social  
Biology, 35 attendees, Nittany  
Lion Inn, through Aug. 6. C.  
Herd, coordinator.  
**Friday, August 6**  
McNair Scholars Summer Research  
Conference, 60 attendees,  
Athenion Hilton, Days Inn,  
through Aug. 8. B. Impellitteri,  
coordinator.  
**Sunday, August 8**  
NAFEX Meeting, 125 attendees,  
Days Inn, through Aug. 11. G.  
Peterson, coordinator.  
S.E.P.M., 325 attendees, Nittany  
Lion Inn, Athenion Hilton, Days  
Inn, Residence Halls, through  
Aug. 12. C. Herd, coordinator.  
Ice Hockey Camp V, 100 attendees,  
Residence Halls, through Aug.  
13. J. Milson-Heater, coordina-  
tor.  
**Monday, August 9**  
PA Utilities and Public Policy, 300  
attendees, Nittany Lion Inn,  
through Aug. 11. G. Peterson,  
coordinator.  
CGMP and Validation Practices in  
Pharmaceutical Applications, 50  
attendees, Days Inn, through  
Aug. 11. J. Milson-Heater, coordi-  
nator.  
Stormwater Management, 30 atten-  
dees, Nittany Lion Inn, through  
Aug. 11. C. Andersen, coordina-  
tor.

Helicopter and V/STOL Technology,  
20 attendees, Nittany Lion Inn,  
through Aug. 13. J. Milson-  
Heater, coordinator.  
**Tuesday, August 10**  
Statistics for Productivity, 15 atten-  
dees, Athenion Hilton, through  
Aug. 13. J. Sinclair, coordinator.  
**Sunday, August 15**  
GPU Executive Institute, 42 atten-  
dees, Nittany Lion Inn, through  
Aug. 27. J. Menoher, coordina-  
tor.  
**Tuesday, August 17**  
Plant Biotechnology Methods, 13  
attendees, Days Inn, through  
Aug. 20. J. Milson-Heater, coordi-  
nator.  
AFSCME Council Thirteen  
Leadership Institute, 75 atten-  
dees, Nittany Lion Inn, through  
Aug. 21. C. Herd, coordinator.  
**Sunday, August 22**  
Executive Management Program  
#91, Week 1, 35 attendees,  
Nittany Lion Inn, through Aug. 27.  
J. Menoher, coordinator.

### SEMINARS

**Tuesday, August 17**  
IACUC Basic Educational Seminar,  
2 p.m., 101 Kem Bldg.  
**Friday, August 20**  
Depts. of Aerospace and Mechanical  
Engineering and Computational  
Fluid Dynamics Studies  
Program, 10:30 a.m., 232  
Hammond Bldg. Robert J.  
Simoneau on "Progress in  
Turbine Heat Transfer  
Research."

### EXHIBITS

**Zoller Gallery:**  
Master of Fine Arts Thesis Exhibit,  
through Aug. 7.  
**Rare Books Room:**  
Australa: Art and Literature, through  
August 13.  
■ Reflects on international per-  
spective

**Exhibition sale**  
Drawings and paintings by  
Edwin W. Zoller, late pro-  
fessor of fine arts  
emeritus, will be  
featured in an  
exhibition sale  
from noon to 5  
p.m. Saturday  
and Sunday,  
Aug. 14 and 15,  
in the Zoller  
Gallery on the  
University  
Park Campus.  
The gallery will host a  
reception for  
the event on  
Saturday,  
Aug. 15,  
from 2 to 4  
p.m.

**Professor**  
Zoller, professor of fine  
arts at Penn State from  
1931 to 1960, taught paint-  
ing and design. He also  
served as the administra-  
tive head for two under-  
graduate centers of the  
University and subse-  
quently was appointed  
associate director for the  
arts in the Center for  
Continuing Liberal  
Education.

He retired from the  
university in 1960, with  
the rank of professor of  
fine arts emeritus, and  
devoted himself to paint-  
ing and study until his  
death in 1967. The gallery  
named for him recognizes  
his dedicated career as an  
artist and educator.

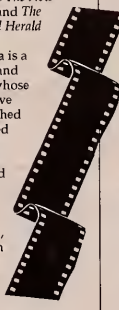
The Zoller Gallery is  
located in the Visual Arts  
Building. Admission is  
free. The exhibition sale is  
open to the public.

All proceeds from the  
sale will benefit the

Student Scholarship Fund  
of the School of Visual  
Arts.  
**Exhibit extended**  
"Eye of the Beholder," an  
exhibition of photography  
by Margaret Duda and  
poetry by Robert Lima  
currently on display in  
Patten Library's East  
Corridor Gallery, has  
been extended to  
Aug. 13.

The  
exhibit consists of 18  
photo-poem  
montages  
inspired by  
the friendship  
of the artists  
and their  
longstanding  
admiration of  
each other's  
work. Ms. Duda is a free-  
lance writer and photogra-  
pher whose works have  
been exhibited in several  
galleries, as well as pub-  
lished widely in periodicals,  
such as *The New York Times* and *The International Herald Tribune*.

Dr. Lima is a poet, critic and  
translator whose  
writings have  
been published  
in the United  
States and  
abroad and  
are included  
in numer-  
ous books  
on the poets  
Lorca, Valle-Inclan  
and Borges, as  
well as in  
*Mayland*  
and other collections of  
poetry.



## COI Continuous Quality Improvement

A bi-weekly column to keep the University community updated on COI activities.

### ■ PROVOST BRIGHTON TO SPEAK TO TOTAL QUALITY COUNCIL OF CENTRAL PENNSYLVANIA

Provost John Brighton will join other community leaders in a discussion about "Leadership in a Total Quality Organization" at the Aug. 11 meeting of the Total Quality Council of Central Pennsylvania. Joining Dr. Brighton on the panel will be George Beylouny, a senior vice president at MuRata, North America; Steven Groves, general manager, Corning-Asahi; and

Charles Pearson, president, United Federal Bank.

### ■ VICE PRESIDENT RYAN SPEAKS TO PENNSYLVANIA CHAMBER OF COMMERCE EXECUTIVES

Vice President and Dean for Continuing and Distance Education James Ryan spoke to the 1993 Chamber Leadership Conference June 17. His address focused on "Listening to the Customer and Committing to Quality; There is No Choice."

### ■ PENN STATE JOINS ACADEMIC QUALITY CONSORTIUM

The Academic Quality Consortium has extended an offer of membership to Penn State "because of the demonstrated commitment to institution-wide continuous quality improvement practices." The Academic Quality Consortium is a collaboration

of the American Association of Higher Education and the William C. Norris Institute. AQC provides those committed to COI in higher education with the opportunity to work collaboratively by exchanging information, building on each other's experience, expanding the practices being utilized, and sharing the results of this work.

### ■ OHR REDUCES PRINTING AND INVENTORY COSTS

Quality improvement efforts in the Office of Human Resources (OHR) have resulted in reduced printing and inventory costs in two separate projects. A review of policies, procedures, and forms resulted in the merging of two forms used in OHR: the Biographical Data Form and the Personal Update Form. During the review process, duplicate information on the forms was identified and then

eliminated by combining the forms. The simplified procedure reduced both printing and inventory costs by \$500 per year.

In an additional procedural review, the Office of Human Resources and the Affirmative Action Office revised the procedure for the Affirmative Action Identification Data Cards. Previously cards were provided for faculty and staff recruitment and again for newly hired faculty and staff. The new procedure provides one race/ethnic identification card regardless of recruitment category or employee classification. This cooperative effort resulted in a measurable cost savings of \$2,000 for printing and inventory reduction, as well as a simplified procedure.

Questions about COI should be directed to the COI Center, University Park, (814) 863-8721.



N.K. Bose, HRB-Systems Professor of electrical engineering and director of the Spatial and Temporal Signal Processing Center is the author of *Digital Filters: Theory and Applications*, published by Krieger Publishing Company, Malabar, Fla.

The book provides rigorous descriptions of linear time-invariant digital filters, modern transform theory, IIR and FIR digital filters, error analysis under finite arithmetic constraints, and fast algorithms which exploit the Toeplitz, Hankel and circulant structure of matrices. It also attends to special topics needed for advanced students in filtering over a finite field, multidimensional linear shift-invariant filter design, and linear shift-invariant digital filtering principles.

Three appendices describe the introduction of laboratory workstations for instructional purposes in signal processing, implementation issues concerning fast algorithms for signal processing, and some typical open problems.

Gary S. Cross, professor of European history, is the author of *Time and Money: The Making of Consumer Culture*, published by Routledge Press.

In a broad historical analysis, the book explains why consumer culture is biased toward goods and against free time. Drawing on American, British and French experience in the 1920s and 1930s, Dr. Cross reveals why hopes that mass production would create a "leisure society" prove illusory and why instead a work-and-spend culture prevailed.

In an analysis of working families' changing attitudes toward leisure and goods, he offers a new perspective on popular consumerism; and in the light of trends from the 1950s to the present, he assesses possible changes in the balance of consumption and free time.

H. Reginald Hardy Jr., professor of mining engineering and director of the Pennsylvania Mining and Mineral Resources Research Institute, is co-editor of the *Proceedings of the Seventh Symposium on Salt* published by Elsevier Science Publishers, Amsterdam. The proceedings are a two volume set, 1,340 pages, containing some 185 papers presented at the symposium held in Kyoto, Japan, in April, 1992.

Some 600 scientists, engineers, geoscientists, physiologists and medical doctors from 35 countries attended the seventh symposium. These symposia were first organized in 1962 and are normally held every four to five years.

They provide the major forum for discussion of basic and applied problems relative to the origin, production and marketing of salt, as well as physiological dietary and medical aspects of salt consumption, and thus serve as an important interface between those in the university, industrial, medical and governmental sectors.

Edwin L. Herr, distinguished professor of education and associate dean in the College of Education, Jack R. Rayman, director of Career Development and Placement Services, and Jeffrey W. Garis, director of Career Services, Florida State University, have co-authored the *Handbook for the College and University Career Center*, published by the Greenwood Press in its Greenwood Educators' Reference Collection.

The 340-page book provides the first comprehensive historical, theoretical and practical overview of the evolution and implementation of career centers in colleges and universities in the United States.

Robert Lima, professor of Spanish and comparative literature and Fellow of the Institute for the Arts and Humanistic Studies, has published his seventh book on the Spanish dramatist Ramon del Valle-Inclan.

Titled *Savage Acts. Four Plays*, the book collects "Blood Pact," "The Head of the Boy," "Sacrilege," and "The Paper Rose," which all works written under the aesthetic of the grotesque the playwright called "Esperanto." Dr. Lima selected and translated the plays.

The book is the third under the imprint of the Estreno Contemporary Spanish Plays Series and was published through the support of the Office of Books and Libraries in the Ministry of Culture in Madrid and Spain's Consulate General in New York.

E. Willard Miller, professor of geography and associate dean for resident instruction, emeritus, in the College of Earth and Mineral Sciences, is the editor of *The American Society for Professional Geographers*, published by the Association of American Geographers, Washington, D.C.

The book consists of a collection of seven papers by authors who were leading figures in the founding of the American Society for Professional Geographers in 1943. The 1940s were dynamic times for American geography, during which time the basic philosophy of the geographic organizations underwent fundamental changes. The ASPG challenged the foundation upon which the original Association of American Geographers was built.

To many of the younger geographers of the 1940s, the traditional association founded in 1904, with exclusive, elected memberships, no longer served the profession adequately. They felt there was a need for a new organization, where membership was open to all geographers and one that provided a wide variety of service. This volume presents the history of the ASPG and its amalgamation with the Association of American Geographers in 1948.

Murry Nelson, professor of education, has authored the second edition of his text, *Children and Social Studies*.

The book, published by Harcourt Brace Jovanovich College Publishers, addresses techniques for creative teaching in the elementary classroom. Topics include "The Educational Environment," "Kids are People, Too," "Teaching Strategies," and "Essential Skills in Social Studies."

Of the book, Dr. Nelson notes,

"Changes in this edition primarily include discussions about the larger place in the school curriculum of history and geography; the increasing interest in textbooks and their use in schools; materials about women in American history, and teaching techniques as they relate to cooperative learning, interactive video, and cable television."

Mary Frances Picciano, professor of nutrition in the College of Health and Human Development, has co-edited the 15th volume of the book series *Contemporary Issues in Clinical Nutrition*.

Volume 15 is *Mechanisms Regulating Lactation and Infant Nutrient Utilization*, and is intended to be useful to nutritionists and pediatricians. It offers an in-depth understanding of the lactation process; explores the ways that the more than 200 different components of human milk influence human development, and examines issues involved in public policy recommendations about when and when not to breastfeed.

The book also covers such topics as the regulation of milk production and secretion, the effects of breastfeeding on the mother's nutritional health, and how the infant's body uses nutrients differently in human milk as opposed to formula.

The book's other editor is Bo Lommerdal of the University of California at Davis. Volume 15 is based on the Fifth International Conference of the International Society for Research on Human Milk and Lactation, organized by Drs. Picciano and Lommerdal and held in 1990. Dr. Picciano is current president of the society.

Among Penn Staters who contributed chapters are: Craig Baumrucker, professor of animal nutrition-physiology; Clark Grosvenor, senior scientist, and Bela Toth, a postdoctoral fellow, both in the Department of Molecular and Cell Biology; and nutrition graduate student Lorie Ellis.

William J. Rothwell, associate professor of education is co-author of *The Complete AMA Guide to Management Development*.

Published by AMAACOM, a Division of the American Management Association, the publication provides a comprehensive tool kit for planning, establishing, managing, and evaluating a consistent program that will lead to long-term improvement for organizations. The guide includes explanations of how to plan and use formal methods such as succession planning, internal and external group training, external education, job rotation, and others.

The book also includes guidance on widely used informal methods such as on-the-job training, coaching, mentoring, and self-development, as well as more experimental methods such as adventure learning and New Age training. One chapter, "Establishing a Management Development Curriculum," explains how to plan to meet the predictable needs of management employees over time.

William E. Sopper, professor of forest hydrology, is the author of *Municipal Sludge Use in Land Reclamation*, published by Lewis Publishers, Boca Raton, Fla.

*Municipal Sludge Use* is a state-of-the-art science reference that combines data

from recent research and case studies in an effort to examine the use of municipal sludge in the reclamation of disturbed land, particularly land disturbed by surface mining.

The volume examines current regulations concerning surface mining and the use of sludge on mined lands. It also provides an overview of current land reclamation projects and presents vital information on the environmental effects of sludge use on vegetation, soil quality, water quality, and animal nutrition and health.

Daniel Walden, director of the American Studies program, served as general editor for volumes three and four in his series, *Twentieth Century American Jewish Writers*, published by Peter Lang Publishers.

Volume three in Dr. Walden's series is *Saul Bellow: A Mosaic*, a collection of articles from the Saul Bellow International Conference in Haifa in 1987.

Edited by L.H. Goldman and Gloria Cronin, this collection includes articles on Bellow's world view, such as L.H. Goldman's "The Jewish Perspective of Saul Bellow," Amos Oz's "Mr. Sandler and Hannah Arendt's Banality," Daniel Walden's "Toward Order and Pattern in Urban Society: Bellow's Journey from the Existentialists to Communicated Experience" and Harold Fisch's "Bellow and Kafka." The volume concludes with a long piece, "Summations," by Bellow himself.

Ellen-Serlin Uffen of *The Cable: The Place of the Past in Jewish-American Women's Writing* is volume four in the series. It is the first in the series to be offered by the Jewish Book Club.

In the context of immigration connecting the Old and New Worlds, Ms. Uffen analyzes the works of Mary Antin, Anzia Zezierska, Tess Slesinger, Jo Sinclair, Marge Piercy and Cynthia Ozick.

Phillip Young, in his final book, *The Private Melville*, published by Penn State Press, explores the connections between Herman Melville's family and his fiction, between his many personal secrets and their displaced expressions in his literary works.

Dr. Young identifies three types of privacy in Melville's fiction. First are family matters, such as the life story of a mysterious half-sister; also, the story of a cousin who becomes the model for the heroine of *Pierre*; and then the history of the woman's forebears.

The second type concerns four *Berkshire Tales* that farped on private facts that continue to baffle critics and scholars. The third type deals with two little-understood "fictions," the speech of Ahab considered the spiritual dimax of *Moby Dick*, and Melville's last work, *Daniel Orme*, a self-portrait.

A leading authority on the writer Ernest Hemingway, Phillip Young, who died in 1991, was the Evan Pugh Professor of American literature emeritus and author of *Ernest Hemingway* (Rinehart and Co., 1952), and *Ernest Hemingway: A Reconsideration* (Penn State, 1966).

# HOT JOBS!

## New monitor tells workers when it's time to quit

Researchers at Penn State and Westinghouse Electric Corporation have developed a portable monitor to tell fire fighters, foundry workers, and others who work in intense heat when their bodies have had enough.

The personal heat stress monitor, designed to be worn on the worker's body, is the first such monitor to be commercially available. The device is patented, with Penn State physiologist **Larry Kenney** listed as one of the inventors.

The cleanup crew at Three Mile Island nuclear power plant endured temperatures as high as 155 degrees Fahrenheit after the well-known 1979 accident. Other nuclear plant workers regularly work in similar, though less extreme, conditions — temperatures of 130 are not uncommon in some areas of nuclear power plants.

Soldiers in desert operations and even race car drivers also endure high heat in their work. Many such jobs also require protective clothing — for example, nuclear plant employees typically guard against radiation by wearing coveralls, a protective suit of impermeable plastic, rubber gloves taped at the wrists and ankles, and a face mask.

"It's like putting yourself in a Ziploc bag and running around on a hot summer day," says Dr. Kenney, associate professor of applied physiology.

At Noll Laboratory for Human Performance Research, Dr. Kenney has spent more than a dozen years investigating the effects of heat stress. He has worked to identify people whose bodies may have trouble tolerating a hot environment (for example, those who are overweight or have high blood pressure), and he has helped evaluate the effectiveness of "personal cooling garments" — work clothes that incorporate ice.

More recently, working with colleagues at Noll and Westinghouse, and with funding from the electric power industry, he helped design a heat-stress monitor that workers can wear on the job. The monitor is sold by Metrosonics, a Rochester, N.Y., firm.

The monitor has two parts: a sensor/belt assembly, worn around the chest under the worker's clothing, and a monitor module (a device about the size of a Walkman), worn in a breast pocket. The belt has electrodes to measure heart rate and a copper disk system to monitor body temperature; this information is transferred to the module, which continually monitors the worker's risk. Three different lights — green, yellow, and red — and several tones tell the worker how much safe working time is left.

"We tell workers to listen to their own bodies, and this just gives them an additional tool," explains Dr. Kenney, who helps provide training programs for industry on reducing the danger in hot jobs. "If you've been working for 40 minutes and you still feel fairly good, but the device tells you that heat stress is impending, maybe you should begin leaving the area.

"For most people, signs of heat strain come on gradually, as a dull headache and light-headedness. Next you may notice that your skin is clammy and the hairs stand on end. The device is intended to get workers out of the heat — and potential danger to themselves and others — before they get to that point."

The module also stores a record of the worker's changing body temperature and heart rate, and can print out the information when the shift is over. The record shows the employee how his or her body reacted while working and helps management identify jobs that are particularly risky and need to be redesigned.

Researchers at Penn State and Westinghouse spent two years developing the monitor.

"Westinghouse built a prototype based on our input, and we



The personal heat stress monitor, developed by Penn State and Westinghouse Electric, clips on to the breast pocket of a worker's uniform.

brought it back here to test it," Dr. Kenney says. After testing the device at Penn State on a variety of subjects who were wearing various kinds of clothing in a number of different situations, he field-tested the monitor in two nuclear power stations, where workers were evaluated while performing their regular duties.

Few, if any, deaths among workers in the electric power industry have been attributable to heat stroke, Dr. Kenney says. But heat stress can be a contributing factor in many falls and other on-the-job accidents. The personal heat stress monitor is designed to reduce the risk of such accidents.

In addition, the monitor could increase a power plant's productivity by allowing workers to venture into the hottest areas and perhaps stay longer than they otherwise would, because their safety can be closely monitored.

"Nuclear power plants run on cycles," Dr. Kenney explains. "They'll be running for four months and then have a scheduled shutdown for two weeks to do routine maintenance. When they shut down, the question is whether to wait a week for the temperature to drop from 130 to 90. If they do, they've lost a week of productivity."

The personal monitor helps make it possible to go in and do some work while the room is still hot."

Dr. Kenney continues to research ways of protecting the body from excess heat. In a project supported by W.L. Gore and Associates (makers of GORE-TEX), he is developing and testing protective clothing that the Marine Corps could use in chemical warfare in hot climates. Because the new fabrics have chemical protection sewn in, they could replace the bulky extra layers that were used during the Persian Gulf war.

—Tina M. Hay and Patricia Shay



## Big not so bad

A severe recession often prompts a corporation to think small, but big and complex may be good for certain factories and their communities, according to a Penn State study.

"Contrary to earlier findings, branch plants of multi-product conglomerates are more likely to stay in their host communities than branch plants of single-product companies," said Frank D. Beck, a doctoral student in sociology.

Mr. Beck, Craig Humphrey, associate professor of sociology, and Glenn Firebaugh, professor of sociology, discovered these results after conducting a study of the impact of absentee-owned firms on the labor force of 120 small, urban and rural communities in Pennsylvania.

The researchers claim that the sheer size and diversification of conglomerates buffers the individual branch plants from closing during economic downturns.

## Molecules with promise

University chemists have published a recipe that may soon have laboratories worldwide cooking up batches of a new class of molecules known as metallo-carbohydroenes, or Met-Cars.

For the first time since the researchers announced their discovery of the hollow metal and carbon molecular cages a year ago, scientists can now make enough of the Met-Car material to test its properties. Researchers believe the electronic properties of these molecules should make them good catalysts, semiconductor and possibly superconductors.

The molecule was first discovered by the lab of A. Welford Castleman Jr., Evan Pugh Professor of Chemistry, but was produced in such small numbers, that it could only be studied as a gas.

Now, through the use of arc electricity, the chemists are making Met-Cars, and have already discovered the molecule is stable in air.

## Monks' lifestyle offers insight

America's beleaguered public schools could benefit from five basic rules followed by Benedictine educators: the worth of the whole person; the sanctity of work; horizontal, rather than hierarchical, leadership; a simple lifestyle, and the value of books and reading.

Marly Daniels, assistant professor of speech communication at the Worthington Scranton Campus, said recent suggestions for reform of public schools closely mirror the guidelines followed by Benedictine communities. Her research included a survey of 80 Benedictine communities in the United States, where she discovered them carrying out the principles proposed by recent reform movements.



**Getting Ready**

Beaver Stadium is being spruced up for the 1993 football season with the addition of new sod on the playing field and a new scoreboard. The Nittany Lions open their inaugural Big Ten season on Saturday, Sept. 4 against the University of Minnesota Golden Gophers at Beaver Stadium.

Photo: Greg Grieco

## Research of six recognized by fund

Six faculty members have received awards from the Penn State Fund for Research.

The fund was created by President Thomas to recognize research activities of tenure-track faculty members who have greater teaching responsibilities. Awards are intended to complement and extend the resource base available to individual faculty members to carry on meaningful scholarly projects.

Those who received awards and their projects are:

—Amy J.C. Forsyth, assistant professor of architecture, College of Arts and Architecture, "Precedents and Precursors Building Survey."

—William J. Kelly, associate professor of theatre and integrative arts, College of Arts and Architecture, "A Proposal to Develop a New Course, The Popular Arts in America: Popular Music, Specifically Designed for the Use of Multi-Media."

—Robert W. Koehler, associate professor of accounting, The Smeal College of Business Administration, "Gender Discrimination in the Hiring and Job Assignments of Accountants."

—Manfred Kroger, professor of food science, College of Agricultural Sciences, "Microbiological, Physicochemical Studies on Kefir, a Fermented Milk Product."

—Carolyn U. Lambert, associate professor of food systems management, College of Health and Human Development, "The Impact of Management Decisions on Energy Utilization in a Restaurant Kitchen."

—Thomas McGovern, assistant professor of art, College of Arts and Architecture, "The Empty Quarter: A Sculpture Installation."

## It's time again for Ag Progress Days College of Agricultural Sciences gearing up for annual event

Visitors from Pennsylvania, Ohio, Maryland, New York and other states will come to central Pennsylvania later this month for Penn State's Ag Progress Days — the commonwealth's largest outdoor agricultural showcase.

The free event, sponsored by the College of Agricultural Sciences, will be held Aug. 17-19. The exposition annually attracts up to 50,000 people to the Russell E. Larson Agricultural Research Center at Rock Springs, on Route 45. Faculty and staff from the college are on hand to demonstrate new techniques or answer questions from visitors to the event, which features more than 500 acres of educational and commercial

exhibits, tours and machinery demonstrations.

The theme of this year's event, "Conserving Our Resources Through Science," highlights the efforts of agricultural scientists and farmers to preserve water and soil quality while providing a safe and abundant food supply. Educational displays in the College of Agricultural Sciences Exhibits Building will highlight the importance of clean drinking water.

In addition to water conservation displays, history buffs can see what life was like during agriculture's "muscle power" era by visiting the Pasto Agricultural Museum, which showcases

es more than 300 rare and antique farm and household implements. Visitors also can see the latest agricultural equipment at more than 300 commercial exhibits.

Children can view old-time toys, musical instruments, puzzles and dolls at "Kids Back Then," a program that will run continuously in the Youth Building. They can also participate in games and stunts, and learn to make toys from common items.

Storyteller Jan Kinney will entertain children and adults for 45 minutes each day at noon in the Exhibits Building Theatre.

Animal lovers can view live owls,

hawks, turtles and snakes at the Shaver's Creek Environmental Center exhibit. Happy Valley Friendly Farm, an educational center and petting farm, will give visitors a chance to touch and bottle-feed calves, lambs, kid goats, chicks, bunnies and miniature pot-bellied pigs, and horse lovers can visit the Equine Exhibits Tent.

Homeowners and gardeners will also have an opportunity to ask University experts' questions about plants and insects, and to learn more about backyard composting.

For more information about times and events, call 1-800-PSU-1010.

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August 5, 1993  
Vol. 22, No. 37

### PENNSYLVANIA STATE UNIVERSITY



## INTERCOM

Department of Public Information  
312 Old Main  
University Park, PA 16802  
Address correction requested

*Intercom* is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information, 312 Old Main, Phone: 865-7517.

William E. Campbell Jr., Editor  
Lisa M. Rosellini, Assistant Editor  
Kathy Norris, Calendar

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